

```
import java.io.IOException;
import java.io.PrintWriter;
import java.util.Date;

import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class P01 extends HttpServlet {

    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
        throws ServletException, IOException {
        resp.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = resp.getWriter();
        out.println("現在時刻：" + new Date());
    }
}

import java.io.*;
import java.util.Random;
import javax.servlet.*;
import javax.servlet.http.*;

public class P02 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        Random rnd = new Random();
        for(int i=0; i<10; i++)
            out.println(rnd.nextInt(100));
    }
}
```

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P03 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'>");
        out.println("<head>");
        out.println("<title>課題3</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p><a href='/servlet' + request.getContextPath() + '/P01'>今日の日
時</a></p>");
        out.println("<p><a href='/servlet' + request.getContextPath() + '/P02'>乱数
</a></p>");
        out.println("</body>");
        out.println("</html>");
    }
}
```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P04 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 4</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>惑星名</p>");
        out.println("<form method='post'>");
        out.println("<p>");
        out.println("<input type='submit' name='btn' value='水星'>");
        out.println("<input type='submit' name='btn' value='火星'>");
        out.println("<input type='submit' name='btn' value='土星'>");
        out.println("</p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        String star = request.getParameter("btn");
        String eng = "";
        if(star.equals("水星"))
            eng = "Mercury";
        else if(star.equals("火星"))
            eng = "Mars";
        else
            eng = "Saturn";
        out.println(eng);
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P05 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'>");
        out.println("<head>");
        out.println("<title>課題 5</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>入力文字列の表示</p>");
        out.println("<form method='post'>");
        out.println("<p>");
        out.println("<input type='text' name='txt' size='10'>");
        out.println("<input type='submit' name='btn' value='表示'>");
        out.println("</p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        out.println(request.getParameter("txt"));
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P06 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'"");
        out.println("<head'"");
        out.println("<title>課題6</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>お菓子の値段</p>");
        out.println("<form method='post'"");
        out.println("<p>プリン<input type='text' name='pudding' size='3'"");
        out.println("<p>ワッフル<input type='text' name='wafful' size='3'"");
        out.println("<p><input type='submit' name='btn' value='計算'"");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int p = Integer.parseInt(request.getParameter("pudding"));
        int w = Integer.parseInt(request.getParameter("wafful"));
        out.println( p*200 + w*160 + "円");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P07 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'>");
        out.println("<head>");
        out.println("<title>課題 7 </title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>小児運賃</p>");
        out.println("<form method='post'>");
        out.println("<p>普通運賃<input type='text' name='adult' size='3'></p>");
        out.println("<p><input type='submit' name='btn' value='計算'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        double ad = Double.parseDouble(request.getParameter("adult"));
        int child = (int)Math.ceil((ad / 2 / 10))*10;
        out.println("小児運賃は" + child + "円");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P08 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題8</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>テストの点数</p>");
        out.println("<form method='post'>");
        out.println("<p>点数<input type='text' name='point' size='3'></p>");
        out.println("<p><input type='submit' name='btn' value='判定'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        String judge = "";
        int p = Integer.parseInt(request.getParameter("point"));
        if(p >= 60)
            judge = "合格";
        else
            judge = "不合格";
        out.println( judge + "です");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P09 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'>");
        out.println("<head>");
        out.println("<title>課題9</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>世紀の表示</p>");
        out.println("<form method='post'>");
        out.println("<p>西暦<input type='text' name='century' size='3'></p>");
        out.println("<p><input type='submit' name='btn' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int c = Integer.parseInt(request.getParameter("century"));
        c = (c-1)/100 + 1;
        out.println(c + "世紀です");
    }
}

```



```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P10 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題10</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>うるう年の判定</p>");
        out.println("<form method='post'>");
        out.println("<p>西暦<input type='text' name='century' size='3'></p>");
        out.println("<p><input type='submit' name='btn' value='判定'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int c = Integer.parseInt(request.getParameter("century"));
        if(c % 4 == 0 && c % 100 != 0 || c % 400 == 0)
            out.println("うるう年です");
        else
            out.println("うるう年ではありません");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P11 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 1 1 </title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>月と季節</p>");
        out.println("<form method='post'>");
        out.println("<p><input type='text' name='month' size='2'>月</p>");
        out.println("<p><input type='submit' name='btn' value='判定'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int m = Integer.parseInt(request.getParameter("month"));
        switch(m) {
            case 3:
            case 4:
            case 5:
                out.println("春です");
                break;
            case 6:
            case 7:
            case 8:
                out.println("夏です");
                break;
            case 9:
            case 10:
            case 11:
                out.println("秋です");
                break;
            case 12:
            case 1:
            case 2:
                out.println("冬です");
                break;
        }
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P12 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題1 2</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>コーヒーとランチ</p>");
        out.println("<form method='post'>");
        out.println("<p><input type='checkbox' name='order' value='coffee'> コーヒー
</p>");
        out.println("<p><input type='checkbox' name='order' value='cake'>ケーキ</p>");
        out.println("<p><input type='checkbox' name='order' value='lunch'>ランチ</p>");
        out.println("<p><input type='submit' name='btn' value='判定'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        if(request.getParameterValues("order") != null){
            String[] order = request.getParameterValues("order");
            int n = order.length;
            int price = 0;
            if(n == 3)
                price = 650 + 850 - 200;
            else if(n == 2) {
                if(order[0].equals("coffee") && order[1].equals("cake"))
                    price = 650;
                else if(order[0].equals("coffee") && order[1].equals("lunch"))
                    price = 300 + 850 - 200;
                else if(order[0].equals("cake") && order[1].equals("lunch"))
                    price = 500 + 850 - 200;
            }
            else if(n == 1) {
                if(order[0].equals("coffee"))
                    price = 300;
                else if(order[0].equals("cake"))
                    price = 500;
                else if(order[0].equals("lunch"))
                    price = 850;
            }
            out.println("合計" + price + "円です");
        }
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P13 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 1 3</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>惑星の名前</p>");
        out.println("<form method='post'>");
        out.println("<p><input type='radio' name='star' value='Mercury'>水星<br>");
        out.println("<input type='radio' name='star' value='Mars'>火星<br>");
        out.println("<input type='radio' name='star' value='Saturn'>土星</p>");
        out.println("<p><input type='submit' name='btn' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        out.println(request.getParameter("star"));
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P14 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 1 4</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>色の名前</p>");
        out.println("<form method='post'>");
        out.println("<p><input type='radio' name='color' value='white'> 白      <input
type='radio' name='lang' value='English'>英語<br>");
        out.println("<input type='radio' name='color' value='red'> 赤      <input
type='radio' name='lang' value='French'>フランス語<br>");
        out.println("<input type='radio' name='color' value='green'> 緑      <input
type='radio' name='lang' value='Spanish'>スペイン語</p>");
        out.println("<p><input type='submit' name='btn' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        String col = request.getParameter("color");
        String lan = request.getParameter("lang");
        String label = "";
        if(col.equals("white")) {
            if(lan.equals("English"))
                label = "white";
            else if(lan.equals("French"))
                label = "blanc";
            else
                label = "blanco";
        }
        else if(col.equals("red")) {
            if(lan.equals("English"))
                label = "red";
            else if(lan.equals("French"))
                label = "rouge";
            else
                label = "rojo";
        }
        else {
            if(lan.equals("English"))
                label = "green";
            else if(lan.equals("French"))
                label = "vert";
            else
                label = "verde";
        }
        out.println(label);
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P15 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 1 5</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>偶数の合計</p>");
        out.println("<form method='post'>");
        out.println("<p>上限値<input type='text' name='limit' size='3'></p>");
        out.println("<p><input type='submit' name='btn' value='計算'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int sum = 0;
        int n = Integer.parseInt(request.getParameter("limit"));
        for(int i = 0; i <= n; i += 2)
            sum += i;
        out.println(" 偶数の合計は" + sum + "です");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P16 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 1 6 </title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>数値の小数桁</p>");
        out.println("<form method='post'>");
        out.println("<p>数値<input type='text' name='num' size='10'></p>");
        out.println("<p><input type='submit' name='btn' value='計算'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int digit = 0;
        Double n = Double.parseDouble(request.getParameter("num"));
        while(Math.floor(n) != n) {
            n *= 10;
            digit++;
        }
        out.println("小数点以下は" + digit + "桁です");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P17 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'>");
        out.println("<head>");
        out.println("<title>課題 1 7</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>漢数字の表示</p>");
        out.println("<form method='post'>");
        out.println("<p>整数<input type='text' name='num' size='10'></p>");
        out.println("<p><input type='submit' name='btn' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        String[] kanji = {"0", "一", "二", "三", "四", "五", "六", "七", "八", "九"};
        String kansuuji = "";
        int n = Integer.parseInt(request.getParameter("num"));
        while(n >= 1) {
            kansuuji = kanji[n % 10] + kansuuji;
            n /= 10;
        }
        out.println(kansuuji);
    }
}

```



```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P18 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題18</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<p>月の旧名</p>");
        out.println("<form method='post'>");
        out.println("<select name='month'>");
        out.println("<option value='0'></option>");
        out.println("<option value='1'>1</option>");
        out.println("<option value='2'>2</option>");
        out.println("<option value='3'>3</option>");
        out.println("<option value='4'>4</option>");
        out.println("<option value='5'>5</option>");
        out.println("<option value='6'>6</option>");
        out.println("<option value='7'>7</option>");
        out.println("<option value='8'>8</option>");
        out.println("<option value='9'>9</option>");
        out.println("<option value='10'>10</option>");
        out.println("<option value='11'>11</option>");
        out.println("<option value='12'>12</option>");
        out.println("</select>月");
        out.println("<p><input type='submit' name='btn' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        String[] mkanji = {"睦月", "如月", "弥生", "卯月", "五月", "水無月", "文月", "葉月", "長
月", "神無月", "霜月", "師走"};
        int m = Integer.parseInt(request.getParameter("month"));
        out.println(mkanji[m-1]);
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P19 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">");
        out.println("<html lang='ja'">");
        out.println("<head">");
        out.println("<title>課題19</title>");
        out.println("</head>");
        out.println("<body">");
        out.println("<p>半角数字の数</p>");
        out.println("<form method='post'">");
        out.println("<p><input type='text' name='string'"></p>");
        out.println("<p><input type='submit' name='btn' value='表示'"></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        int cnt=0;
        String str = request.getParameter("string");
        for(int i=0; i < str.length(); i++) {
            if(Character.isDigit(str.charAt(i)))
                cnt++;
        }
        out.println("半角数字は" + cnt + "文字ありました");
    }
}

```

```

import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P20 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 2 0</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='post'>");
        out.println("<table border='0'>");
        out.println("<caption><b>ログイン画面</b></caption>");
        out.println("<tr><td align='left' width='100'>ログイン id</td><td align='left'
width='150'><input type='text' name='loginid'></td></tr>");
        out.println("<tr><td align='left' width='100'>パスワード</td><td align='left'
width='150'><input type='password' name='passwd'></td></tr>");
        out.println("<tr><td align='center' width='250' colspan='2'><input
type='submit' value='送信'></td></tr>");
        out.println("</table>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        out.println("入力されたログイン IDは " + request.getParameter("loginid") + " です
");
        out.println("入力されたパスワードは " + request.getParameter("passwd") + " です");
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P21 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/waonas_db1",
"waonas","fujicom");
            out.println("MySQL サーバーに接続しました");
        }
        catch(Exception e) {
            out.println(e);
            out.println("MySQL サーバーの接続に失敗しました");
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P22 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/waonas_db1",
"waonas","fujicom");
            out.println("MySQL サーバーに接続しました");
            con.close();
            out.println("MySQL サーバーの接続を解除しました");
        }
        catch(Exception e) {
            out.println(e);
            out.println("MySQL サーバーの接続・解除に失敗しました");
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P23 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas","fujicom");
            out.println("データベース " + dbname + " を選択しました");
        }
        catch(Exception e) {
            out.println(e);
            out.println("<br>データベース " + dbname + " の選択に失敗しました");
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P24 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas","fujicom");
            Statement stmt = con.createStatement();
            String sql = "SHOW TABLES";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("テーブルの名前");
            while (rs.next())
                out.println(rs.getString(1));
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```

```
import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P25 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        String sql = "SELECT * FROM products";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();

            ResultSet rs = stmt.executeQuery(sql);
            out.println("SQL文 " + sql + " の実行に成功しました");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
            out.println(e);
            out.println("SQL文 " + sql + " の実行に失敗しました");
        }
    }
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P26 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        String sql = "SELECT * FROM products";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(sql);
            ResultSetMetaData rsmeta =rs.getMetaData();
            out.println("データのフィールド数は" + rsmeta.getColumnCount() + "です");
            rs.last();
            out.println("データのレコード件数は" + rs.getRow() + "です");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P27 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        String sql = "SELECT * FROM products";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(sql);
            ResultSetMetaData rsmeta =rs.getMetaData();
            out.println("列の名前");
            for(int i = 1; i <= rsmeta.getColumnCount(); i++)
                out.println(rsmeta.getColumnName(i));
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P28 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        String sql = "SELECT * FROM products";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<html>");
            out.println("<head>");
            out.println("<title>課題 2 8</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<th>コード</th><th>商品名</th><th>価格</th>");
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getString(1) + "</td>");
                out.println("<td align='left'>" + rs.getString(2) + "</td>");
                out.println("<td align='right'>" + rs.getString(3) + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```



```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P29 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        String dbname = "waonas_db1";
        String sql = "SELECT * FROM products";
        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<html>");
            out.println("<head>");
            out.println("<title>課題 2 9</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<th>コード</th><th>商品名</th><th>価格</th>");
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getString("ProductID") + "</td>");
                out.println("<td align='left'>" + rs.getString("ProductName") + "</td>");
                out.println("<td align='right'>" + rs.getString("Price") + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P30 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SHOW TABLES";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<html>");
            out.println("<head>");
            out.println("<title>課題 3 0</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<form method='POST'>");
            out.println("<テーブル<select name='tbl'>");
            while (rs.next())
                out.println("<option>" + rs.getString(1) + "</option>");
            out.println("</select>の一覧を");
            out.println("<input type='submit' name='submit' value='表示'>");
            out.println("</form>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }

    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver").newInstance();
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM " + request.getParameter("tbl");
            ResultSet rs = stmt.executeQuery(sql);
            ResultSetMetaData rsmeta =rs.getMetaData();
            int cnum = rsmeta.getColumnCount();
            out.println("<html>");
            out.println("<head>");
            out.println("<title>課題 4 0</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            for(int i = 1; i <= cnum; i++)
                out.println("<th>" + rsmeta.getColumnName(i) + "</th>");

```

```
while (rs.next()) {
    out.println("<tr>");
    for(int i = 1; i <= cnum; i++) {
        if(rsmeta.getColumnTypeName(i).equals("INTEGER"))
            out.println("<td>" + rs.getInt(i) + "</td>");
        else if(rsmeta.getColumnTypeName(i).equals("VARCHAR"))
            out.println("<td>" + rs.getString(i) + "</td>");
        else if(rsmeta.getColumnTypeName(i).equals("DATE"))
            out.println("<td>" + rs.getDate(i) + "</td>");
    }
    out.println("</tr>");
}
out.println("</table>");
out.println("</body>");
out.println("</html>");
stmt.close();
con.close();
}
catch(Exception e) {
}
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P31 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "INSERT INTO products (ProductID, ProductName, Price) VALUES (1007,
'たい', 3000)";
            stmt.executeUpdate(sql);
            out.println("テーブルにデータを追加しました。");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
            out.println(e);
            out.println("テーブルにデータを追加できませんでした");
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P32 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "UPDATE products SET ProductName='たら', Price=100 WHERE
ProductID=1006";
            stmt.executeUpdate(sql);
            out.println("テーブルのデータを更新しました");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
            out.println(e);
            out.println("テーブルのデータを更新できませんでした");
        }
    }
}

```

```
import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P33 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "DELETE FROM products WHERE ProductID=1006";
            stmt.executeUpdate(sql);
            out.println("テーブルのデータを削除しました");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
            out.println(e);
            out.println("<br>テーブルのデータを削除できませんでした");
        }
    }
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P34 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題3 4</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<table>");
        out.println("<tr><td>ProductID</td><td><input        type='text'        name='PI' ,
size='2'></td></tr>");
        out.println("<tr><td>ProductName</td><td><input        type='text'        name='PN' ,
size='2'></td></tr>");
        out.println("<tr><td>Price</td><td><input        type='text'        name='P' ,
size='2'></td></tr>");
        out.println("<tr><td><input type='submit' name='submit' value='追加'></td><td>
</td></tr>");
        out.println("</table>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/plain; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_dbl";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM products";
            ResultSet rs = stmt.executeQuery(sql);
            sql = "INSERT INTO products (ProductID, ProductName, Price) VALUES (" +
request.getParameter("PC") + ", " + request.getParameter("PN") + ", " +
request.getParameter("P") + ")";
            stmt.executeUpdate(sql);
            out.println("テーブルにデータを追加しました");
        }
        catch(Exception e) {
            out.println(e);
            out.println("テーブルにデータを追加できませんでした");
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P35 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM employees";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<!DOCTYPE HTML PUBLIC ¥¥-//W3C//DTD HTML 4.01//EN¥¥>");
            out.println("<html lang=¥¥ja¥¥>");
            out.println("<head>");
            out.println("<title>課題 3 5 </title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<th>番号</th><th>名前</th><th>身長</th><th>E-Mail</th><th>体重
</th><th>雇用年</th><th>誕生日</th><th>血液型</th>");
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getInt(1) + "</td>");
                out.println("<td align='right'>" + rs.getString(2) + "</td>");
                out.println("<td align='left'>" + rs.getInt(3) + "</td>");
                out.println("<td align='right'>" + rs.getString(4) + "</td>");
                out.println("<td align='right'>" + rs.getInt(5) + "</td>");
                out.println("<td align='right'>" + rs.getInt(6) + "</td>");
                out.println("<td align='right'>" + rs.getDate(7) + "</td>");
                out.println("<td align='right'>" + rs.getString(8) + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
        catch(Exception e) {
        }
    }
}

```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P36 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題3 6</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<p>血液型</p>");
        out.println("<select name='btype'>");
        out.println("<option> </option>");
        out.println("<option>A</option>");
        out.println("<option>B</option>");
        out.println("<option>O</option>");
        out.println("<option>AB</option>");
        out.println("</select>");
        out.println("<p><input type='submit' name='submit' value='検索'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_dbl";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM employees where BloodType = '" +
request.getParameter("btype") + "'";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
            out.println("<html lang=¥\"ja¥\">");
            out.println("<head>");
            out.println("<title>課題3 6</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<thead><tr><th>番号</th><th>名前</th><th>身長</th><th>E-Mail</th><th>体重</th><th>雇用年</th><th>誕生日</th><th>血液型</th></tr>");
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getInt(1) + "</td>");
                out.println("<td align='right'>" + rs.getString(2) + "</td>");
                out.println("<td align='left'>" + rs.getInt(3) + "</td>");
                out.println("<td align='right'>" + rs.getString(4) + "</td>");
                out.println("<td align='right'>" + rs.getInt(5) + "</td>");
                out.println("<td align='right'>" + rs.getInt(6) + "</td>");
                out.println("<td align='right'>" + rs.getDate(7) + "</td>");
                out.println("<td align='right'>" + rs.getString(8) + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
        }
    }
}

```



```
        out.println("</body>");
        out.println("</html>");
        stmt.close();
        con.close();
    }
    catch(Exception e) {
    }
}
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P37 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題3 7</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<p>身長が<input type='text' name='hgt', size='2'>cm 以上のメンバー
</p>");
        out.println("<p><input type='submit' name='submit' value='検索'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_dbl";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM employees where Height >= " +
request.getParameter("hgt");
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
            out.println("<html lang=¥\"ja¥\">");
            out.println("<head>");
            out.println("<title>課題3 7</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<thead><tr><th>番号</th><th>名前</th><th>身長</th><th>E-Mail</th><th>体重
</th><th>雇用年</th><th>誕生日</th><th>血液型</th></tr>");
            int cnt=0;
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getInt(1) + "</td>");
                out.println("<td align='left'>" + rs.getString(2) + "</td>");
                out.println("<td align='right'>" + rs.getInt(3) + "</td>");
                out.println("<td align='right'>" + rs.getString(4) + "</td>");
                out.println("<td align='right'>" + rs.getInt(5) + "</td>");
                out.println("<td align='right'>" + rs.getInt(6) + "</td>");
                out.println("<td align='right'>" + rs.getDate(7) + "</td>");
                out.println("<td align='right'>" + rs.getString(8) + "</td>");
                out.println("</tr>");
                cnt++;
            }
            out.println("</table>");
            out.println("<h2>" + cnt + "人いました。</h2>");
            out.println("</body>");
            out.println("</html>");
        }
    }
}

```

```
        stmt.close();
        con.close();
    }
    catch(Exception e) {
    }
}
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P38 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題 3 8</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<p><input type='radio' name='rb' value='Height'>身長のトップ 5
</p>");
        out.println("<p><input type='radio' name='rb' value='Weight'>体重のトップ 5
</p>");
        out.println("<p><input type='submit' name='submit' value='検索'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_dbl";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM employees ORDER BY " + request.getParameter("rb")
+ " DESC LIMIT 5";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
            out.println("<html lang=¥\"ja¥\">");
            out.println("<head>");
            out.println("<title>課題 3 8</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<thead><tr><th>番号</th><th>名前</th><th>身長</th><th>E-Mail</th><th>体重
</th><th>雇用年</th><th>誕生日</th><th>血液型</th></tr>");
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getInt(1) + "</td>");
                out.println("<td align='right'>" + rs.getString(2) + "</td>");
                out.println("<td align='left'>" + rs.getInt(3) + "</td>");
                out.println("<td align='right'>" + rs.getString(4) + "</td>");
                out.println("<td align='right'>" + rs.getInt(5) + "</td>");
                out.println("<td align='right'>" + rs.getInt(6) + "</td>");
                out.println("<td align='right'>" + rs.getDate(7) + "</td>");
                out.println("<td align='right'>" + rs.getString(8) + "</td>");
                out.println("</tr>");
            }
            out.println("</table>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
    }
}

```

```
    }  
    catch(Exception e) {  
    }  
  }  
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P39 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題3 9</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<p>名前に<input type='text' name='key' size='5'>を含むレコード</p>");
        out.println("<p><input type='submit' name='submit' value='検索'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_db1";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String sql = "SELECT * FROM employees where EmployeeName LIKE '%" +
request.getParameter("key") + "%'";
            ResultSet rs = stmt.executeQuery(sql);
            out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
            out.println("<html lang=¥\"ja¥\">");
            out.println("<head>");
            out.println("<title>課題3 9</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            out.println("<thead><tr><th>番号</th><th>名前</th><th>身長</th><th>E-Mail</th><th>体重</th><th>雇用年</th><th>誕生日</th><th>血液型</th></tr>");
            int cnt = 0;
            while (rs.next()) {
                out.println("<tr>");
                out.println("<td align='right'>" + rs.getInt(1) + "</td>");
                out.println("<td align='right'>" + rs.getString(2) + "</td>");
                out.println("<td align='left'>" + rs.getInt(3) + "</td>");
                out.println("<td align='right'>" + rs.getString(4) + "</td>");
                out.println("<td align='right'>" + rs.getInt(5) + "</td>");
                out.println("<td align='right'>" + rs.getInt(6) + "</td>");
                out.println("<td align='right'>" + rs.getDate(7) + "</td>");
                out.println("<td align='right'>" + rs.getString(8) + "</td>");
                out.println("</tr>");
                cnt++;
            }
            out.println("</table>");
            out.println("<h2>" + cnt + "人いました。</h2>");
            out.println("</body>");
            out.println("</html>");
            stmt.close();
            con.close();
        }
    }
}

```

```
    }  
    catch(Exception e) {  
    }  
  }  
}
```

```

import java.io.*;
import java.sql.*;
import javax.servlet.*;
import javax.servlet.http.*;

public class P40 extends HttpServlet {
    public void doGet(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        PrintWriter out = response.getWriter();
        out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
        out.println("<html lang=¥\"ja¥\">");
        out.println("<head>");
        out.println("<title>課題40</title>");
        out.println("</head>");
        out.println("<body>");
        out.println("<form method='POST'>");
        out.println("<p>表示する項目をチェックしてください。</p>");
        out.println("<p>");
        out.println("<input type='checkbox' name='chb' value='EmployeeID'>番号<br>");
        out.println("<input type='checkbox' name='chb' value='EmployeeName'>名前<br>");
        out.println("<input type='checkbox' name='chb' value='Height'>身長<br>");
        out.println("<input type='checkbox' name='chb' value='EMail'>メール<br>");
        out.println("<input type='checkbox' name='chb' value='Weight'>体重<br>");
        out.println("<input type='checkbox' name='chb' value='HireFiscalYear'>雇用年
<br>");
        out.println("<input type='checkbox' name='chb' value='Birthday'>誕生日<br>");
        out.println("<input type='checkbox' name='chb' value='BloodType'>血液型<br>");
        out.println("</p>");
        out.println("<p><input type='submit' name='submit' value='表示'></p>");
        out.println("</form>");
        out.println("</body>");
        out.println("</html>");
    }
    public void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
        response.setContentType("text/html; charset=UTF-8");
        request.setCharacterEncoding("UTF-8");
        PrintWriter out = response.getWriter();
        try {
            Class.forName("com.mysql.jdbc.Driver");
            String dbname = "waonas_dbl";
            Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" +
dbname, "waonas", "fujicom");
            Statement stmt = con.createStatement();
            String[] col = request.getParameterValues("chb");
            int n = col.length;
            String sql = "SELECT ";
            for(int i = 0; i < n-1; i++)
                sql += col[i] + ",";
            sql += col[n-1] + " FROM employees";
            ResultSet rs = stmt.executeQuery(sql);
            ResultSetMetaData rsmeta =rs.getMetaData();
            out.println("<!DOCTYPE HTML PUBLIC ¥\"-//W3C//DTD HTML 4.01//EN¥\">");
            out.println("<html lang=¥\"ja¥\">");
            out.println("<head>");
            out.println("<title>課題40</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<table border='1' cellpadding='5'>");
            for(int i = 0; i < n; i++)
                out.println("<th align='center'>" + col[i] + "</th>");

```



```
while (rs.next()) {
    out.println("<tr align='right'>");
    for(int i = 1; i <= n; i++) {
        if(rsmeta.getColumnTypeName(i).equals("INTEGER"))
            out.println("<td>" + rs.getInt(i) + "</td>");
        else if(rsmeta.getColumnTypeName(i).equals("VARCHAR"))
            out.println("<td>" + rs.getString(i) + "</td>");
        else if(rsmeta.getColumnTypeName(i).equals("DATE"))
            out.println("<td>" + rs.getDate(i) + "</td>");
    }
    out.println("</tr>");
}
out.println("</table>");
out.println("</body>");
out.println("</html>");
stmt.close();
con.close();
}
catch(Exception e) {
}
}
```