

```
<%@page pageEncoding="UTF-8" contentType="text/html; charset=UTF-8"%>
<%@page import="java.util.Date"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
<title>課題1</title>
</head>
<body>
<h1>現在時刻 <%= new Date() %></h1>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<%@ page import="java.util.Random" %>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
<title>課題2</title>
</head>
<body>
<%
Random rnd = new Random();
for(int i=0; i<10; i++)
    out.println("<p>" + rnd.nextInt(100) + "</p>");
%>
</body>
</html>
```

```
<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.io.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
<title>課題3</title>
</head>
<body>
<p><a href="<%= request.getContextPath() %>/p01.jsp">今日の日時</a></p>
<p><a href="<%= request.getContextPath() %>/p02.jsp">乱数</a></p>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題4</title>
</head>
<body>
  <p>惑星名</p>
  <form method="post">
    <p>
      <input type="submit" name="btn" value="水星">
      <input type="submit" name="btn" value="火星">
      <input type="submit" name="btn" value="土星">
    </p>
  </form>
<%
request.setCharacterEncoding("UTF-8");
if (request.getParameter("btn") != null) {
  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("<p>" + eng + "</p>");
}
%>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題5</title>
</head>
<body>
  <p>入力文字列の表示</p>
  <form method="post">
    <p>
      <input type="text" name="txt" size="10" value="">
      <input type="submit" name="btn" value="表示">
    </p>
  </form>
<%
request.setCharacterEncoding("UTF-8");
if (request.getParameter("txt") != null)
  out.println("<p>" + request.getParameter("txt") + "</p>");
%>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題6</title>
</head>
<body>
  <p>お菓子の値段</p>
  <form method="post">
    <p>プリン<input type="text" name="pudding" size="3" value=""></p>
    <p>ワッフル<input type="text" name="wafful" size="3" value=""></p>
    <p><input type="submit" name="btn" value="計算"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    if(request.getParameter("pudding") != null && request.getParameter("wafful") !=
null) {
      int p = Integer.parseInt(request.getParameter("pudding"));
      int w = Integer.parseInt(request.getParameter("wafful"));
      out.println("<p>" + ( p*200 + w*160 ) + "円</p>");
    }
  %>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題7</title>
</head>
<body>
  <p>小児運賃</p>
  <form method="post">
    <p>普通運賃<input type="text" name="adult" size="3" value=""></p>
    <p><input type="submit" name="btn" value="計算"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    if(request.getParameter("adult") != null) {
      double ad = Double.parseDouble(request.getParameter("adult"));
      int child = (int)Math.ceil((ad / 2)/10)*10;
      out.println(" <p>小児運賃は" + child + "円</p>");
    }
  %>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題8</title>
</head>
<body>
  <p>テストの点数</p>
  <form method="post">
    <p>点数<input type="text" name="point" size="3" value=""></p>
    <p><input type="submit" name="btn" value="判定"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    String judge = "";
    if(request.getParameter("point") != null) {
      int p = Integer.parseInt(request.getParameter("point"));
      if(p >= 60)
        judge = "合格";
      else
        judge = "不合格";
      out.println( "<p>" + judge + "です</p>");
    }
  %>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題9</title>
</head>
<body>
  <p>世紀の表示</p>
  <form method="post">
    <p>西暦<input type="text" name="century" size="3" value=""></p>
    <p><input type="submit" name="btn" value="表示"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    if(request.getParameter("century") != null) {
      int c = Integer.parseInt(request.getParameter("century"));
      c = (c-1)/100 + 1;
      out.println( "<p>" + c + "世紀です</p>");
    }
  %>
</body>
</html>
```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 0</title>
</head>
<body>
  <p>うるう年の判定</p>
  <form method="post">
    <p>西暦<input type="text" name="century" size="3" value=""></p>
    <p><input type="submit" name="btn" value="判定"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    if(request.getParameter("century") != null) {
      int c = Integer.parseInt(request.getParameter("century"));
      if(c % 4 == 0 && c % 100 != 0 || c % 400 == 0)
        out.println(" <p>うるう年です</p>");
      else
        out.println(" <p>うるう年ではありません</p>");
    }
  <%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 1</title>
</head>
<body>
  <p>月と季節</p>
  <form method="post">
    <p><input type="text" name="month" size="2" value="">月</p>
    <p><input type="submit" name="btn" value="判定"></p>
  </form>
  <%
    if(request.getParameter("month") != null) {
      int m = Integer.parseInt(request.getParameter("month"));
      switch(m) {
        case 3: case 4: case 5:
          out.println(" <p>春です</p>");
          break;
        case 6: case 7: case 8:
          out.println(" <p>夏です</p>");
          break;
        case 9: case 10: case 11:
          out.println(" <p>秋です</p>");
          break;
        case 12: case 1: case 2:
          out.println(" <p>冬です</p>");
          break;
      }
    }
  <%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 2</title>
</head>
<body>
  <p>コーヒーとランチ</p>
  <form method="post">
    <p><input type="checkbox" name="order" value="coffee">コーヒー</p>
    <p><input type="checkbox" name="order" value="cake">ケーキ</p>
    <p><input type="checkbox" name="order" value="lunch">ランチ</p>
    <p><input type="submit" name="btn" value="判定"></p>
  </form>
<%
  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("<p>合計" + price + "円です</p>");
  }
%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 3</title>
</head>
<body>
  <p>惑星の名前</p>
  <form method="post">
    <p><input type="radio" name="star" value="Mercury">水星<br>
    <input type="radio" name="star" value="Mars">火星<br>
    <input type="radio" name="star" value="Saturn">土星</p>
    <p><input type="submit" name="btn" value="表示"></p>
  </form>
<%
  if(request.getParameter("star") != null)
    out.println("<p>" + request.getParameter("star") + "</p>");
%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 4</title>
</head>
<body>
  <p>色の名前</p>
  <form method="post">
    <p><input type="radio" name="color" value="white"> 白      <input type="radio"
name="lang" value="English">英語<br>
    <input type="radio" name="color" value="red"> 赤      <input type="radio"
name="lang" value="French">フランス語<br>
    <input type="radio" name="color" value="green"> 緑      <input type="radio"
name="lang" value="Spanish">スペイン語</p>
    <p><input type="submit" name="btn" value="表示"></p>
  </form>
<%
  if(request.getParameter("color") != null || request.getParameter("lang") != null)
  {
    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("<p>" + label + "</p>");
  }
%>
</body>
</html>

```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 5</title>
</head>
<body>
  <p>偶数の合計</p>
  <form method="post">
    <p>上限値<input type="text" name="limit" size="3" value=""></p>
    <p><input type="submit" name="btn" value="計算"></p>
  </form>
  <%
    int sum = 0;
    if(request.getParameter("limit") != null) {
      int n = Integer.parseInt(request.getParameter("limit"));
      for(int i = 0; i <= n; i += 2)
        sum += i;
      out.println( "<p>偶数の合計は" + sum + "です</p>");
    }
  %>
</body>
</html>
```

```
<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 6</title>
</head>
<body>
  <p>数値の小数桁</p>
  <form method="post">
    <p>数値<input type="text" name="num" size="10" value=""></p>
    <p><input type="submit" name="btn" value="計算"></p>
  </form>
  <%
    int digit = 0;
    if(request.getParameter("num") != null) {
      double n = Double.parseDouble(request.getParameter("num"));
      while(Math.floor(n) != n) {
        n *= 10;
        digit++;
      }
      out.println( "<p>小数点以下は" + digit + "桁です</p>");
    }
  %>
</body>
</html>
```



```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 7</title>
</head>
<body>
  <p>漢数字の表示</p>
  <form method="post">
    <p>整数<input type="text" name="num" size="10" value=""></p>
    <p><input type="submit" name="btn" value="表示"></p>
  </form>
  <%
String[] kanji = {"0", "一", "二", "三", "四", "五", "六", "七", "八", "九"};
String kansuuji = "";
if(request.getParameter("num") != null) {
  int n = Integer.parseInt(request.getParameter("num"));
  while(n >= 1) {
    kansuuji = kanji[n % 10] + kansuuji;
    n /= 10;
  }
  out.println("<p>" + kansuuji + "</p>");
}
  <%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題1 8</title>
</head>
<body>
  <p>月の旧名</p>
  <form method="post">
    <select name="month">
      <option value="0"></option>
      <option value="1">1</option>
      <option value="2">2</option>
      <option value="3">3</option>
      <option value="4">4</option>
      <option value="5">5</option>
      <option value="6">6</option>
      <option value="7">7</option>
      <option value="8">8</option>
      <option value="9">9</option>
      <option value="10">10</option>
      <option value="11">11</option>
      <option value="12">12</option>
    </select>月
    <p><input type="submit" name="btn" value="表示"></p>
  </form>
  <%
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"};
if(request.getParameter("month") != null) {
  int m = Integer.parseInt(request.getParameter("month"));
  out.println("<p>" + mkanji[m-1] + "</p>");
}
  <%>
</body>
</html>

```

```

<%@ page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題19</title>
</head>
<body>
    <p>半角数字の数</p>
    <form method="post">
        <p><input type="text" name="string" value=""></p>
        <p><input type="submit" name="btn" value="表示"></p>
    </form>
<%
    int cnt=0;
    if(request.getParameter("string") != null) {
        String str = request.getParameter("string");
        for(int i=0; i < str.length(); i++) {
            if(Character.isDigit(str.charAt(i)))
                cnt++;
        }
        out.println("<p>半角数字は" + cnt + "文字ありました</p>");
    }
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題20</title>
</head>
<body>
    <form method="POST" action="p20.jsp">
        <table border="0">
            <caption><b>ログイン画面</b></caption>
            <tr><td align="left" width="100"> ログイン id</td><td align="left"
width="150"><input type="text" name="loginid"></td></tr>
            <tr><td align="left" width="100"> パスワード </td><td align="left"
width="150"><input type="password" name="passwd"></td></tr>
            <tr><td align="center" width="250" colspan="2"><input type="submit" value="
送信"></td></tr>
        </table>
    </form>
<%
    if (request.getParameter("loginid") != null){
        out.println("<p>入力されたログイン IDは " + request.getParameter("loginid") + " で
す</p>");
    }
    if (request.getParameter("passwd") != null) {
        out.println("<p>入力されたパスワードは " + request.getParameter("passwd") + " で
す</p>");
    }
%>
</body>
</html>

```

```
<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題 2 1</title>
</head>
<body>
<%
  try {
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost/db1",
"root","");
    out.println("<p>MySQL サーバーに接続しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>MySQL サーバーの接続に失敗しました</p>");
  }
%>
</body>
</html>
```

```
<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題 2 2</title>
</head>
<body>
<%
  try {
    Class.forName("com.mysql.jdbc.Driver");
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost/db1",
"root","");
    out.println("<p>MySQL サーバーに接続しました<br>");
    con.close();
    out.println("MySQL サーバーの接続を解除しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>MySQL サーバーの接続・解除に失敗しました</p>");
  }
%>
</body>
</html>
```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題 2 3</title>
</head>
<body>
<%
    String dbname = "db1";
    try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root", "");
        out.println("<p>データベース " + dbname + " を選択しました</p>");
    }
    catch(SQLException e) {
        out.println("<p>" + e + "<br>データベース " + dbname + " の選択に失敗しました</p>");
    }
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題 2 4</title>
</head>
<body>
<%
    Class.forName("com.mysql.jdbc.Driver");
    String dbname = "db1";
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root", "");
    Statement stmt = con.createStatement();
    String sql = "SHOW TABLES";
    ResultSet rs = stmt.executeQuery(sql);
    out.println("<p>テーブルの名前</p>");
    while (rs.next())
        out.println("<p>" + rs.getString(1) + "</p>");
    stmt.close();
    con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題 2 5</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "SELECT * FROM products";
  try {
    ResultSet rs = stmt.executeQuery(sql);
    out.println("<p>SQL 文 " + sql + " の実行に成功しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>SQL 文 " + sql + " の実行に失敗しました</p>");
  }
  stmt.close();
  con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題 2 6</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "SELECT * FROM products";
  ResultSet rs = stmt.executeQuery(sql);
  ResultSetMetaData rsmeta =rs.getMetaData();
  out.println("<p>データのフィールド数は" + rsmeta.getColumnCount() + "です</p>");
  rs.last();
  out.println("<p>データのレコード件数は" + rs.getRow() + "です</p>");
  stmt.close();
  con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題 2 7</title>
</head>
<body>
<%
    Class.forName("com.mysql.jdbc.Driver");
    String dbname = "db1";
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
    Statement stmt = con.createStatement();
    String sql = "SELECT * FROM products";
    ResultSet rs = stmt.executeQuery(sql);
    ResultSetMetaData rsmeta =rs.getMetaData();
    out.println("<p>列の名前</p>");
    for(int i = 1; i <= rsmeta.getColumnCount(); i++)
        out.println("<p>" + rsmeta.getColumnName(i) + "</p>");
    stmt.close();
    con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題 2 8</title>
</head>
<body>
<%
    Class.forName("com.mysql.jdbc.Driver");
    String dbname = "db1";
    Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
    Statement stmt = con.createStatement();
    String sql = "SELECT * FROM products";
    ResultSet rs = stmt.executeQuery(sql);
    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>");
    stmt.close();
    con.close();
%>
</body>
</html>

```

```
<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題 2 9</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "SELECT * FROM products";
  ResultSet rs = stmt.executeQuery(sql);
  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>");
  stmt.close();
  con.close();
%>
</body>
</html>
```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 0</title>
</head>
<body>
  <form method="POST" action="p30.jsp">
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "SHOW TABLES";
  ResultSet rs = stmt.executeQuery(sql);
  out.println("<p>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'></p>");
%>
  </form>
<%
  request.setCharacterEncoding("UTF-8");
  if (request.getParameter("tbl") != null) {
    sql = "SELECT * FROM " + request.getParameter("tbl");
    rs = stmt.executeQuery(sql);
    ResultSetMetaData rsmeta =rs.getMetaData();
    int cnum = rsmeta.getColumnCount();
    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>");
    stmt.close();
    con.close();
  }
%>
</body>
</html>

```



```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 1</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "INSERT INTO products (ProductID, ProductName, Price) VALUES (1006, '
さんま',120)";
  try {
    stmt.executeUpdate(sql);
    out.println("<p>テーブルにデータを追加しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>テーブルにデータを追加できませんでした</p>");
  }
  stmt.close();
  con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 2</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "UPDATE products SET ProductName='たら', Price=100 WHERE ProductID=1006";
  try {
    stmt.executeUpdate(sql);
    out.println("<p>テーブルのデータを更新しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>テーブルのデータを更新できませんでした</p>");
  }
  stmt.close();
  con.close();
%>
</body>
</html>

```

```
<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 3</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "DELETE FROM products WHERE ProductID=1007";
  try {
    stmt.executeUpdate(sql);
    out.println("<p>テーブルのデータを削除しました</p>");
  }
  catch(SQLException e) {
    out.println("<p>" + e + "<br>テーブルのデータを削除できませんでした</p>");
  }
  stmt.close();
  con.close();
%>
</body>
</html>
<
```

```

%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
    <title>課題3 4</title>
</head>
<body>
    <form method="POST" action="p34.jsp">
        <table>
            <tr><td>ProductID</td><td><input type="text" name="PI", size="6"></td></tr>
            <tr><td>ProductName</td><td><input type="text" name="PN", size="10"></td></tr>
            <tr><td> Price</td><td><input type="text" name="P", size="4"></td></tr>
            <tr><td><input type="submit" name="submit" value="追加"><td> </td></tr>
        </table>
    </form>
<%
    request.setCharacterEncoding("UTF-8");
    if (request.getParameter("PI") != null) {
        Class.forName("com.mysql.jdbc.Driver");
        String dbname = "db1";
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
        Statement stmt = con.createStatement();
        String sql = "INSERT INTO products (ProductID, ProductName, Price) VALUES (" +
request.getParameter("PI") + ", " + request.getParameter("PN") + ", " +
request.getParameter("P") + ")";
        try {
            stmt.executeUpdate(sql);
            out.println("<p>テーブルにデータを追加しました</p>");
        }
        catch(SQLException e) {
            out.println("<p>テーブルにデータを追加できませんでした</p>");
        }
        stmt.close();
        con.close();
    }
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 5</title>
</head>
<body>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String sql = "SELECT * FROM employees";
  ResultSet rs = stmt.executeQuery(sql);
  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>");
  stmt.close();
  con.close();
%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 6</title>
</head>
<body>
  <form method="POST" action="p36.jsp">
    <p>血液型</p>
    <select name="btype">
      <option> </option>
      <option>A</option>
      <option>B</option>
      <option>O</option>
      <option>AB</option>
    </select>
    <p><input type="submit" name="submit" value="検索"></p>
  </form>
  <%
    if(request.getParameter("btype") != null) {
      Class.forName("com.mysql.jdbc.Driver");
      String dbname = "db1";
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
      Statement stmt = con.createStatement();
      String sql = "SELECT * FROM employees where BloodType = '" +
request.getParameter("btype") + "'";
      ResultSet rs = stmt.executeQuery(sql);
      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>");
      stmt.close();
      con.close();
    }
  <%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 7</title>
</head>
<body>
  <form method="POST" action="p37.jsp">
    <p>身長が<input type="text" name="hgt", size="2">cm以上のメンバー</p>
    <p><input type="submit" name="submit" value="検索"></p>
  </form>
  <%
    if(request.getParameter("hgt") != null) {
      Class.forName("com.mysql.jdbc.Driver");
      String dbname = "db1";
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
      Statement stmt = con.createStatement();
      String sql = "SELECT * FROM employees where Height >= " +
request.getParameter("hgt");
      ResultSet rs = stmt.executeQuery(sql);
      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>");
      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>");
      stmt.close();
      con.close();
    }
  <%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 8</title>
</head>
<body>
  <form method="POST" action="p38.jsp">
    <p><input type="radio" name="rb" value="Height">身長のトップ5</p>
    <p><input type="radio" name="rb" value="Weight">体重のトップ5</p>
    <p><input type="submit" name="submit" value="検索"></p>
  </form>
  <%
    if(request.getParameter("rb") != null) {
      Class.forName("com.mysql.jdbc.Driver");
      String dbname = "db1";
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
      Statement stmt = con.createStatement();
      String sql = "SELECT * FROM employees ORDER BY " + request.getParameter("rb") +
" DESC LIMIT 5";
      ResultSet rs = stmt.executeQuery(sql);
      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>");
      stmt.close();
      con.close();
    }
  <%>
</body>
</html>

```

```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題3 9</title>
</head>
<body>
  <form method="POST" action="p39.jsp">
    <p>名前に<input type="text" name="key" size="5" value="">を含むレコード</p>
    <p><input type="submit" name="submit" value="検索"></p>
  </form>
  <%
    request.setCharacterEncoding("UTF-8");
    if(request.getParameter("key") != null) {
      Class.forName("com.mysql.jdbc.Driver");
      String dbname = "db1";
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
      Statement stmt = con.createStatement();
      String sql = "SELECT * FROM employees where EmployeeName LIKE '%" +
request.getParameter("key") + "%'";
      ResultSet rs = stmt.executeQuery(sql);
      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>");
      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("<p>" + cnt + "人いました。</p>");
      stmt.close();
      con.close();
    }
  <%>
</body>
</html>

```



```

<%@page contentType="text/html; charset=UTF-8"%>
<%@page import="java.sql.*"%>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01//EN">
<html lang="ja">
<head>
  <title>課題4 0</title>
</head>
<body>
  <form method="POST" action="p40.jsp">
    <p>表示する項目をチェックしてください</p>
    <p>
      <input type="checkbox" name="chb" value="EmployeeID">番号<br>
      <input type="checkbox" name="chb" value="EmployeeName">名前<br>
      <input type="checkbox" name="chb" value="Height">身長<br>
      <input type="checkbox" name="chb" value="EMail">メール<br>
      <input type="checkbox" name="chb" value="Weight">体重<br>
      <input type="checkbox" name="chb" value="HireFiscalYear">雇用年<br>
      <input type="checkbox" name="chb" value="Birthday">誕生日<br>
      <input type="checkbox" name="chb" value="BloodType">血液型<br>
    </p>
    <p><input type="submit" name="submit" value="表示"></p>
  </form>
<%
  Class.forName("com.mysql.jdbc.Driver");
  String dbname = "db1";
  Connection con = DriverManager.getConnection("jdbc:mysql://localhost/" + dbname,
"root","");
  Statement stmt = con.createStatement();
  String[] col = request.getParameterValues("chb");
  if(col != null) {
    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("<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>");
  }
  stmt.close();
  con.close();
%>
</body>
</html>

```