

Name: Pham Duc Dat
ID: ITITIU20184

Part 2

```
package part2;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

public class WelcomeServlet extends HttpServlet {

    /**
     * Processes requests for both HTTP GET and POST
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            out.println(x:"<!DOCTYPE html>");
            out.println(x:"<html>");
            out.println(x:"<head>");
            out.println(x:"<title>Servlet WelcomeServlet</title>");
            out.println(x:"</head>");
            out.println(x:"<body>");
            out.println("ch1>Servlet WelcomeServlet at " + request.getContextPath() + "</h1>");
            out.println(x:"</body>");
            out.println(x:"</html>");
        }
    }

    // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">
    /**
     * Handles the HTTP GET method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
        response.getWriter().println("test");
    }

    /**
     * Handles the HTTP POST method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    }
} // </editor-fold>
```

Part 3

Exercises 1:

Collect Three Parameters

Part 3 - Exercise 1

First Parameter	<input type="text" value="John"/>
Second Parameter	<input type="text" value="David"/>
Third Parameter	<input type="text" value="Salar"/>
<input type="submit" value="Submit"/>	

Reading Three Request Parameters

- param1: John
- param2: David
- param3: Salar

Code

```
<?page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Part 3 - Exercise 1</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <div class="container">
      <div class="header">
        <h1 style="margin-bottom: -10px;">Collect Three Parameters</h1>
        <h4>Part 3 - Exercise 1</h4>
      </div>
      <div class="content">
        <div class="header-table">
        </div>
        <div class="content-table">
          <form action="GetThreeParams" method="POST">
            <table>
              <tr>
                <th>First Parameter</th>
                <td>
                  <input type="text" name="1st" required />
                </td>
              </tr>
              <tr>
                <th>Second Parameter</th>
                <td>
                  <input type="text" name="2nd" required />
                </td>
              </tr>
              <tr>
                <th>Third Parameter</th>
                <td>
                  <input type="text" name="3rd" required />
                </td>
              </tr>
              <tr>
                <th></th>
                <td>
                  <input type="submit" value="Submit"/>
                </td>
              </tr>
            </table>
          </form>
        </div>
      </div>
    </div>
  </body>
</html>
```

```

package part3;
/*
import java.io.IOException;
import java.io.PrintWriter;
import static java.awt.Color.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author ASUS
 */
@WebServlet("/GetThreeParams")
public class GetThreeParams extends HttpServlet {

    /**
     * Processes requests for both HTTP <code>GET</code> and <code>POST</code>
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            out.println("<!DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet GetThreeParams</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>Servlet GetThreeParams at " + request.getContextPath() + "</h1>");
            out.println("</body>");
            out.println("</html>");
        }
    }

    /**
     * Handles the HTTP <code>GET</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        PrintWriter out = response.getWriter();
        String docType
            = "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 \"
              + \"Transitional/EN\">\n";
        out.println(docType
            + "<HTML>\n"
            + "<HEAD><TITLE>Result Three Params</TITLE></HEAD>\n"
            + "<STYLE>\n"
            + "body {\n"
            + "background-color: pink\n"
            + "}"
            + "h1 {\n"
            + "text-align: center\n"
            + "}"
            + "</STYLE>\n"
            + "<BODY>\n"
            + "<H1>Reading Three Request Parameters</H1>\n"
            + "<UL>\n"
            + " <LI><B>param1</B>: "
            + request.getParameter("1st") + "\n"
            + " <LI><B>param2</B>: "
            + request.getParameter("2nd") + "\n"
            + " <LI><B>param3</B>: "
            + request.getParameter("3rd") + "\n"
            + "</UL>\n"
            + "</BODY></HTML>");
        }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
    public String getServletInfo() {
        return "Short description";
    }
}

```

Exercise 2:

Personal Information

ID

ITITI20184

Name

Pham Duc Dat

Email

datnhoxpham8402@gmail

Gender

☒ Male

☐ Female

Major

Computer Science

Interesting Field

Xin chào

Insert

Cancel

```

<?@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Personal Information</title>
    <link rel="stylesheet" href="style.css">
  </head>

  <body>
    <div class="container">

      <div class="header">
        <h1 style="text-align: center;">Personal Information</h1>
      </div>

      <div class="line"></div>

      <div class="content">
        <div class="header-table">
          </div>

          <div class="content-table">
            <form action="GetInfo" method="post">
              <table>
                <tr>
                  <th>ID</th>
                  <td>
                    <input type="text" name="id" required />
                  </td>
                </tr>
                <tr>
                  <th>Name</th>
                  <td>
                    <input type="text" name="fullname" required />
                  </td>
                </tr>
                <tr>
                  <th>Email</th>
                  <td>
                    <input type="text" name="email" required />
                  </td>
                </tr>
                <tr>
                  <th>Gender</th>
                  <td>
                    <input type="radio" name="gender" value="Male" />Male
                    <input type="radio" name="gender" value="Female" />Female
                  </td>
                </tr>
                <tr>
                  <th>Major</th>
                  <td>
                    <select name="major">
                      <option>Business Administration</option>
                      <option>Computer Science</option>
                      <option>Biotechnology</option>
                      <option>Data Science</option>
                    </select>
                  </td>
                </tr>
                <tr>
                  <th>Interesting Field</th>
                  <td>
                    <textarea rows="4" cols="50" name="comment"></textarea>
                  </td>
                </tr>
                <tr>
                  <th>
                    <input type="submit" name="submit" value="Insert" />
                  </th>
                  <td>
                    <input type="reset" name="submit" value="Cancel" />
                  </td>
                </tr>
              </table>
            </form>
          </div>
        </div>
      </div>
    </body>
  </html>

```

```

package part3;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

/**
 *
 * @author ASUS
 */
@WebServlet("/GetInfo")
public class GetInfo extends HttpServlet {

    /**
     * Processes requests for both HTTP GET and POST
     * methods.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        response.setContentType("text/html;charset=UTF-8");
        request.setCharacterEncoding("utf-8");
        try (PrintWriter out = response.getWriter()) {
            /* TODO output your page here. You may use following sample code. */
            out.println(x:"<!DOCTYPE html>");
            out.println(x:"<html>");
            out.println(x:"<head>");
            out.println(x:"<title>Servlet GetInfo</title>");
            out.println(x:"</head>");
            out.println(x:"<body>");
            out.println(x:"<h1>Servlet GetInfo at " + request.getContextPath() + "</h1>");
            out.println(x:"</body>");
            out.println(x:"</html>");
        }
    }

    // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on the + sign on the left to edit the code.">
    /**
     * Handles the HTTP GET method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP POST method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override

```

```

@Override
protected void doPost(HttpServletRequest request, HttpServletResponse response)
    throws ServletException, IOException {
    PrintWriter out = response.getWriter();
    String docType
        = "<!DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 \"
        + \"Transitional//EN\">\n";
    out.println(docType
        + "<HTML>\n"
        + "<HEAD><TITLE>Result Personal Info</TITLE></HEAD>\n"
        + "<STYLE>\n"
        + "* {"
        + "text-align: left"
        + "}\n"
        + "body {"
        + "background-color: #fcecab;\n"
        + "}\n"
        + "table {"
        + "border: 2px solid black;\n"
        + "margin-left: 570px;"
        + "}\n"
        + "tr, th, td {"
        + "border: 2px solid black"
        + "}\n"
        + "h1 {"
        + "text-align: center"
        + "}"
        + "</STYLE>\n"
        + "<BODY>\n"
        + "<H1>Reading Personal Information</H1>\n"
        + "<div class=container>"
        + "<table>\n"
        + " <tr>\n"
        + " <th>ID</th>\n"
        + " <td>"
        + request.getParameter("id")
        + "</td>\n"
        + " </tr>\n"
        + " <tr>\n"
        + " <th>Name</th>\n"
        + " <td>"
        + request.getParameter("fullname")
        + "</td>\n"
        + " </tr>\n"
        + " <tr>\n"
        + " <th>Email</th>\n"
        + " <td>"
        + request.getParameter("email")
        + "</td>\n"
        + " </tr>\n"
        + " <tr>\n"
        + " <th>Gender</th>\n"
        + " <td>"
        + request.getParameter("gender")
        + "</td>\n"
        + " </tr>\n"
        + " <tr>\n"
        + " <th>Major</th>\n"
        + " <td>"
        + request.getParameter("major")
        + "</td>\n"
        + " </tr>\n"
        + " <tr>\n"
        + " <th>Interesting Field</th>\n"
        + " <td>"
        + request.getParameter("comment")
        + "</td>\n"
        + " </tr>\n"
        + "</table>\n"
        + "</div>"
        + "</BODY></HTML>");
    }

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
}

```

Exercise 3:

School of Computer Science & Engineering

Register form

Full name

Pham Duc Dat

ID

ITITIU20184

Email

datnhoxpham8402@gmail.com

Gender

☒ Male

☐ Female

Field of study

CS

☐ Principle of EE1

☒ Computer Network

List of subjects

☐ Web Application Development

☐ Object-Oriented Programming

☐ Computer Graphic

Comment

Xin chào

Submit

Reset


```

<?page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Register Form</title>
    <link rel="stylesheet" href="style.css">
  </head>
  <body>
    <div class="container">
      <div class="header">
        <h1>School of Computer Science & Engineering</h1>
      </div>
      <div class="line" style="border-top: 3px solid red;"></div>
      <div class="content">
        <div class="header-table">
          <h2>Register form</h2>
        </div>
        <div class="content-table">
          <form action="RegisterCourse" method="post">
            <table>
              <tr>
                <th>Full name</th>
                <td>
                  <input type="text" name="fullname" required />
                </td>
              </tr>
              <tr>
                <th>ID</th>
                <td>
                  <input type="text" name="id" required />
                </td>
              </tr>
              <tr>
                <th>Email</th>
                <td>
                  <input type="text" name="email" required />
                </td>
              </tr>
              <tr>
                <th>Gender</th>
                <td>
                  <input type="radio" name="gender" value="Male" />Male
                  <input type="radio" name="gender" value="Female" />Female
                </td>
              </tr>
              <tr>
                <th>Field of study</th>
                <td>
                  <select name="major">
                    <option>CS</option>
                    <option>IM</option>
                    <option>EE</option>
                    <option>BA</option>
                    <option>BE</option>
                  </select>
                </td>
              </tr>
              <tr>
                <th>List of subjects</th>
                <td>
                  <input type="checkbox" name="subject" value="Principle of EE1">Principle of EE1
                  <br>
                  <input type="checkbox" name="subject" value="Computer Network">Computer Network
                  <br>
                  <input type="checkbox" name="subject" value="Web Application Development">Web Application Development
                  <br>
                  <input type="checkbox" name="subject" value="Object-Oriented Programming">Object-Oriented Programming
                  <br>
                  <input type="checkbox" name="subject" value="Computer Graphic">Computer Graphic
                </td>
              </tr>
              <tr>
                <th>Comment</th>
                <td>
                  <textarea rows="4" cols="50" name="comment"></textarea>
                </td>
              </tr>
              <tr>
                <th></th>
                <td>
                  <input type="submit" name="submit" value="Submit" />
                </td>
              </tr>
              <tr>
                <td>
                  <input type="reset" name="submit" value="Reset" />
                </td>
              </tr>
            </table>
          </form>
        </div>
      </div>
    </div>
  </body>
</html>

```



```

* Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/default.txt to change this license
* Click nbfs://nbhost/SystemFileSystem/Templates/JSP_Servlet/Servlet.java to edit this template
*/
package part3;

import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

@WebServlet("/RegisterCourse")
public class RegisterCourse extends HttpServlet {

    /**
     * Processes requests for both HTTP GET and POST methods.
     */
    @param request servlet request
    @param response servlet response
    @throws ServletException if a servlet-specific error occurs
    @throws IOException if an I/O error occurs
    protected void processRequest(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        /* TODO output your page here. You may use following sample code. Java(536871362) */
        try {
            View Problem (CF8) No quick fixes available
            /* TODO output your page here. You may use following sample code. */
            out.println("<DOCTYPE html>");
            out.println("<html>");
            out.println("<head>");
            out.println("<title>Servlet RegisterCourse</title>");
            out.println("</head>");
            out.println("<body>");
            out.println("<h1>Servlet RegisterCourse at " + request.getContextPath() + "</h1>");
            out.println("</body>");
            out.println("</html>");
        }
    }

    /**
     * Handles the HTTP GET method.
     */
    @param request servlet request
    @param response servlet response
    @throws ServletException if a servlet-specific error occurs
    @throws IOException if an I/O error occurs
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP POST method.
     */
    @param request servlet request
    @param response servlet response
    @throws ServletException if a servlet-specific error occurs
    @throws IOException if an I/O error occurs
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {
        PrintWriter out = response.getWriter();
        String docType
            = "<DOCTYPE HTML PUBLIC \"-//W3C//DTD HTML 4.0 \"
              + \"Transitional//EN\">\n";
        out.println(docType
            + "<HTML>\n"
            + "<HEAD><TITLE>Result Register Course</TITLE></HEAD>\n"
            + "<STYLE>\n"
            + " * {\n"
            + "text-align: left\n"
            + "}\n"
            + "body {\n"
            + "background-color: #fcecab;\n"
            + "}\n"
            + "table {\n"
            + "padding-left: 600px;\n"
            + "}\n"
            + "td {\n"
            + "text-align: center\n"
            + "}\n"
            + "h1 {\n"
            + "text-align: center\n"
            + "}\n"
            + "</STYLE>\n"
            + "<BODY>\n"
            + "<H1>Reading Register Course</H1>\n"
            + "<div class=container>\n"
            + "<table>\n"
            + " <tr>\n"
            + " <th>Name</th>\n"
            + " <td>\n"
            + request.getParameter("fullname")
            + " </td>\n"
            + " <tr>\n"
            + " <tr>\n"
            + " <th>ID</th>\n"
            + " <td>\n"
            + request.getParameter("id")

```

```

        + "<td>"
        + request.getParameter("email")
        + "</td>\n"
        + "</tr>\n"
        + "<tr>\n"
        + "<th>Gender</th>\n"
        + "<td>"
        + request.getParameter("gender")
        + "</td>\n"
        + "</tr>\n"
        + "<tr>\n"
        + "<th>Major</th>\n"
        + "<td>"
        + request.getParameter("major")
        + "</td>\n"
        + "</tr>\n"
        + "<tr>\n"
        + "<th>Gender</th>\n"
        + "<td>"
        + request.getParameter("subject")
        + "</td>\n"
        + "</tr>\n"
        + "<tr>\n"
        + "<th>Interesting Field</th>\n"
        + "<td>"
        + request.getParameter("comment")
        + "</td>\n"
        + "</tr>\n"
        + "</table>\n"
        + "</div>"
        + "</BODY></HTML>"
    );
}

/**
 * Returns a short description of the servlet.
 *
 * @return a String containing servlet description
 */
@Override
public String getServletInfo() {
    return "Short description";
} // </editor-fold>
}

```