

Phase-2 Practice Project: Assisted Practice

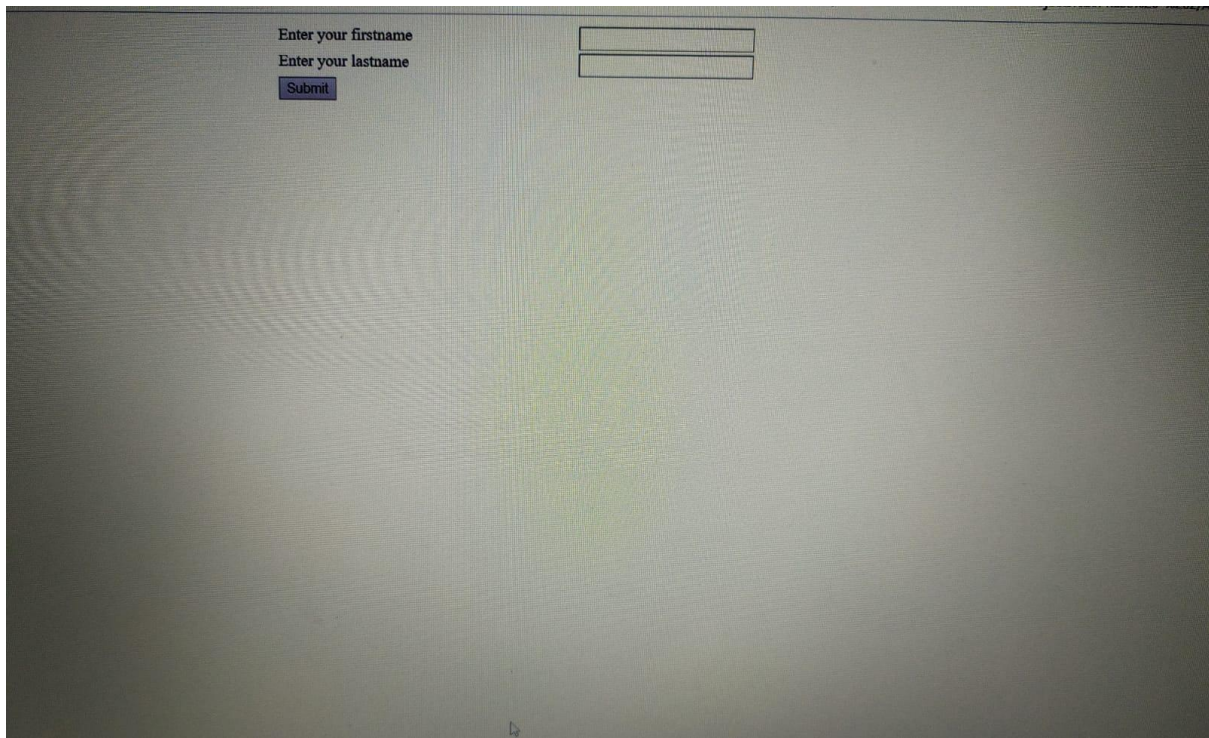
3. Write a program to demonstrate the concept of Generic Servlets.

Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd" id="WebApp_ID" version="4.0">
  <display-name>ServletDemo</display-name>
  <welcome-file-list>
    <welcome-file>index.html</welcome-file>
    <welcome-file>index.htm</welcome-file>
    <welcome-file>index.jsp</welcome-file>
    <welcome-file>default.html</welcome-file>
    <welcome-file>default.htm</welcome-file>
    <welcome-file>default.jsp</welcome-file>
  </welcome-file-list>

  <servlet>
    <servlet-name>NameServlet</servlet-name>
    <servlet-class>NameServlet</servlet-class>
  </servlet>

  <servlet-mapping>
    <servlet-name>NameServlet</servlet-name>
    <url-pattern>/name</url-pattern>
  </servlet-mapping>
</web-app>
```

A screenshot of a web browser displaying a simple form. The form has two text input fields. The first field is labeled "Enter your firstname" and the second field is labeled "Enter your lastname". Below these fields is a blue button with the text "Submit". The background of the browser window is a light gray.

Main prgm:

```
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;

/**
 * Servlet implementation class NameServlet
 */
@WebServlet("/NameServlet")
public class NameServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public NameServlet() {
        super();
        // TODO Auto-generated constructor stub
    }
}
```

```

    /**
     * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        String fname = request.getParameter("fname");
        String lname = request.getParameter("lname");

        PrintWriter out = response.getWriter();
        out.println("<html><body>");
        out.println("Your full name is " + fname + " " + lname);
        out.println("</body></html>");
    }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse
response)
     */
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
        // TODO Auto-generated method stub
        doGet(request, response);
    }
}

```

Your full name is First Last

Enter your firstname

Enter your lastname

Submit

First
Last