

**Ex.no:5**

**Date:5/4/25**

**5. Write a Servlet to demonstrate the difference between HTTP GET and POST**

**By creating a form and handling requests accordingly**

**Aim:**

To Write a Servlet to demonstrate the difference between HTTP GET and POST

By creating a form and handling requests accordingly .

**Program:**

**Signup.html**

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<form action="SignupDetails" method="post">
  <label for="firstname">First Name:</label>
  <input type="text" id="firstname" name="firstname" required><br><br>

  <label for="lastname">Last Name:</label>
  <input type="text" id="lastname" name="lastname" required><br><br>

  <label for="dob">DOB:</label>
  <input type="date" id="dob" name="dob" required><br><br>

  <label>Gender:</label>
  <input type="radio" id="male" name="gender" value="Male">
  <label for="male">Male</label>
  <input type="radio" id="female" name="gender" value="Female">
  <label for="female">Female</label><br><br>

  <label for="address">Address:</label><br>
  <textarea id="address" name="address" rows="4" cols="25"></textarea><br><br>

  <input type="submit" value="Signup">
</form>

</body>
</html>
```

31 - Ramya231801135/src/main/webapp/Signup.html - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

The screenshot shows the Eclipse IDE interface. On the left, the 'Project Explorer' view displays a project named 'Ramya231801135'. The project structure includes a 'src/main/java' directory containing a package 'com.ramya.servlet' with several Java files: 'Add.java', 'Cookie1.java', 'DisplayUser.java', 'Helloworld.java', 'HttpSessionHandle.java', 'HttpSessionHandleDisplay.java', 'package-info.java', 'SignIn.java', and 'SignupDetails.java'. There are also 'Server Runtime [Apache Tomcat v8.5]', 'Web App Libraries', and 'apache-tomcat-8.5.61' listed. On the right, the 'Signup.html' file is open in the 'Editor' view. The HTML code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Insert title here</title>
6 </head>
7 <body>
8 <form action="SignupDetails" method="post">
9 <label for="firstname">First Name:</label>
10 <input type="text" id="firstname" name="firstname" required><br><br>
11
12 <label for="lastname">Last Name:</label>
13 <input type="text" id="lastname" name="lastname" required><br><br>
14
15 <label for="dob">DOB:</label>
16 <input type="date" id="dob" name="dob" required><br><br>
17
18 <label>Gender:</label>
19 <input type="radio" id="male" name="gender" value="Male">
20 <label for="male">Male</label>
21 <input type="radio" id="female" name="gender" value="Female">
22 <label for="female">Female</label><br><br>
23
24 <label for="address">Address:</label><br>
25 <textarea id="address" name="address" rows="4" cols="25"></textarea><br><br>
26
27 <input type="submit" value="Signup">
28 </form>
29
30 </body>
31 </html>
32
```

## SignInDetails.java

```
package com.ramya.servlet;
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 SignupDetails
 */
@WebServlet("/SignupDetails")
public class SignupDetails extends HttpServlet {
    private static final long serialVersionUID = 1L;

    /**
     * @see HttpServlet#HttpServlet()
     */
    public SignupDetails() {
        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
response.getWriter().append("Served at: ").append(request.getContextPath());
}

/**
 * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
 */
protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
String f_name=request.getParameter("firstname");
String l_name=request.getParameter("lastname");
String dob_v=request.getParameter("dob");
String gen=request.getParameter("gender");
String add=request.getParameter("address");

PrintWriter p = response.getWriter();

p.println("First Name: "+f_name+"\n");
p.println("Last Name: "+l_name+"\n");
p.print("Age: "+dob_v+"\n");
p.print("Gender: "+gen+"\n");
p.print("Address: "+add+"\n");
}

}

```

```

31 - Ramya231801135/src/main/java/com/ramya/servlet/SignupDetails.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

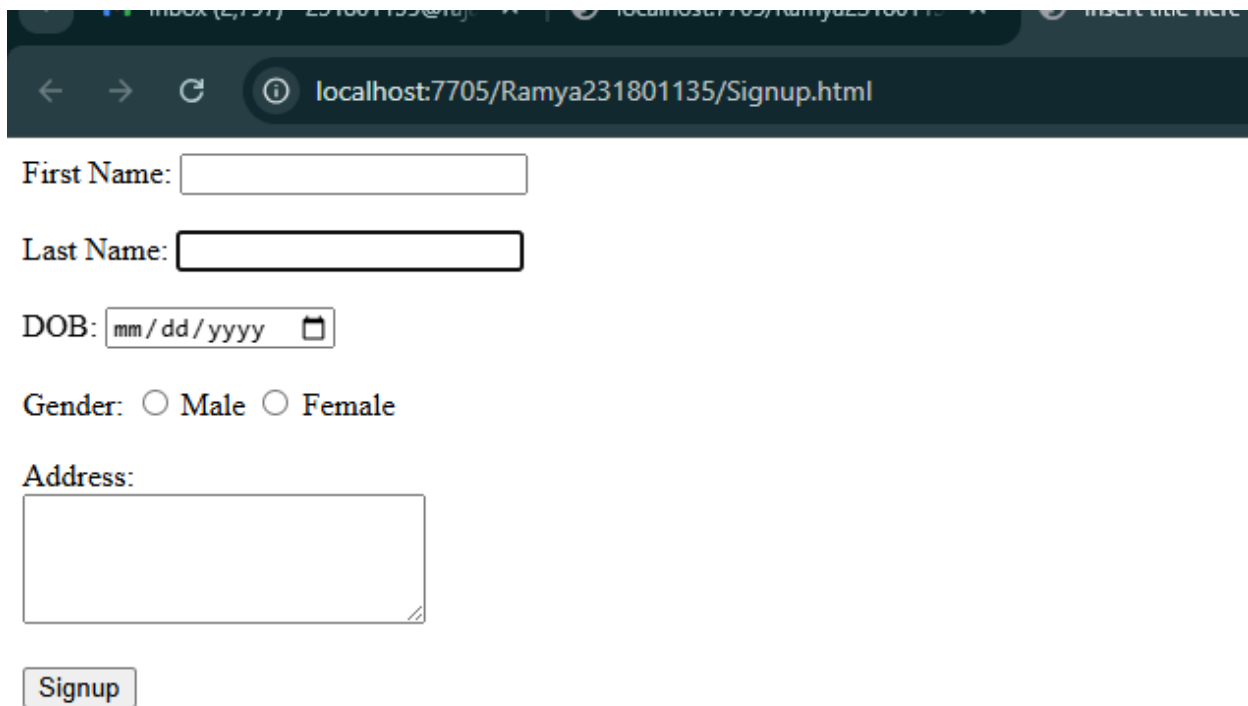
package com.ramya.servlet;
import java.io.IOException;
import java.io.PrintWriter;

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

10
11 /**
12  * Servlet implementation class SignupDetails
13  */
14 @WebServlet("/SignupDetails")
15 public class SignupDetails extends HttpServlet {
16     private static final long serialVersionUID = 1L;
17
18     /**
19      * @see HttpServlet#HttpServlet()
20      */
21     public SignupDetails() {
22         super();
23         // TODO Auto-generated constructor stub
24     }
25
26     /**
27      * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
28      */
29     protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
30         // TODO Auto-generated method stub
31         response.getWriter().append("Served at: ").append(request.getContextPath());
32     }
33
34     /**
35      * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
36      */
37     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
38         String f_name=request.getParameter("firstname");
39         String l_name=request.getParameter("lastname");
40         String dob_v=request.getParameter("dob");
41         String gen=request.getParameter("gender");
42         String add=request.getParameter("address");
43
44         PrintWriter p = response.getWriter();
45
46         p.println("First Name: "+f_name+"\n");
47         p.println("Last Name: "+l_name+"\n");
48         p.print("Age: "+dob_v+"\n");
49         p.print("Gender: "+gen+"\n");
50         p.print("Address: "+add+"\n");
51     }
52 }

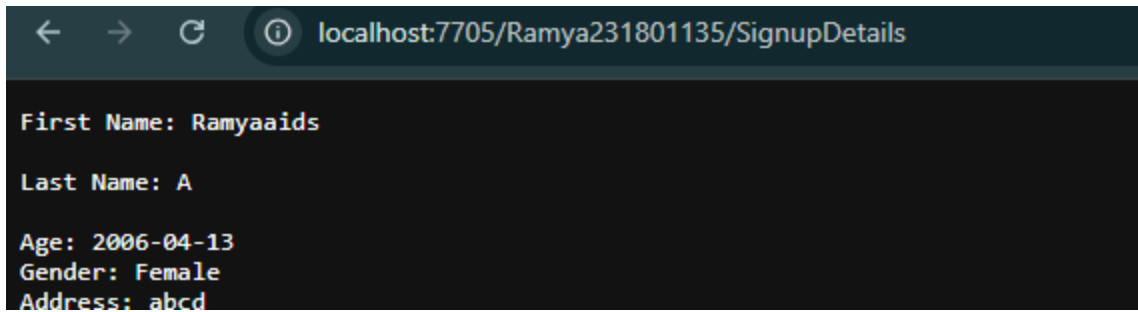
```

**OUTPUT :**



The screenshot shows a web browser window with the address bar displaying "localhost:7705/Ramya231801135/Signup.html". The page contains a signup form with the following fields and controls:

- First Name:** A text input field.
- Last Name:** A text input field.
- DOB:** A date input field with a placeholder "mm/dd/yyyy" and a calendar icon.
- Gender:** Two radio buttons labeled "Male" and "Female".
- Address:** A large text area for entering the address.
- Signup:** A button to submit the form.

**Result:**

Thus the program was executed successfully on web browser and Servlet to demonstrate the difference between HTTP GET and POST. By creating a form and handling requests accordingly