

EXP NO: 5

Servlet Example Demonstrating HTTP GET vs POST Methods with Form Handling

AIM:

Write a Servlet to demonstrate the difference between HTTP GET and POST methods by creating a form and handling requests accordingly.

CODE:

SignUp.html

```
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Sign_up</title>
</head>
<body>
<form action="/SignUpdetails" method="post">
  <label for="fname">FirstName:</label>
  <input type="text" name="fname" placeholder="Enter Your First Name"><br><br>

  <label for="lname">LastName:</label>
  <input type="text" name="lname" placeholder="Enter Your First Name"><br><br>

  <label for="age">Age:</label>
  <input type="number" name="age" placeholder="Enter Your Age"><br><br>

  <label for="date">Date Of Birth:</label>
  <input type="date" name="datee"><br><br>

  <label for="gender">Male</label>
  <input type="radio" name="gender"><br><br>
  <label for="gender">Female</label>
  <input type="radio" name="gender"><br><br>
```

```
<label for="address">Address:</label>
<textarea name="address" ></textarea>

<input type="submit" value="Sign-Up">
```

```
</form>
</body>
</html>
```

SignupDetails.java

```
package com.karthick.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
    }
}
```

```
}
```

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws

ServletException, IOException {

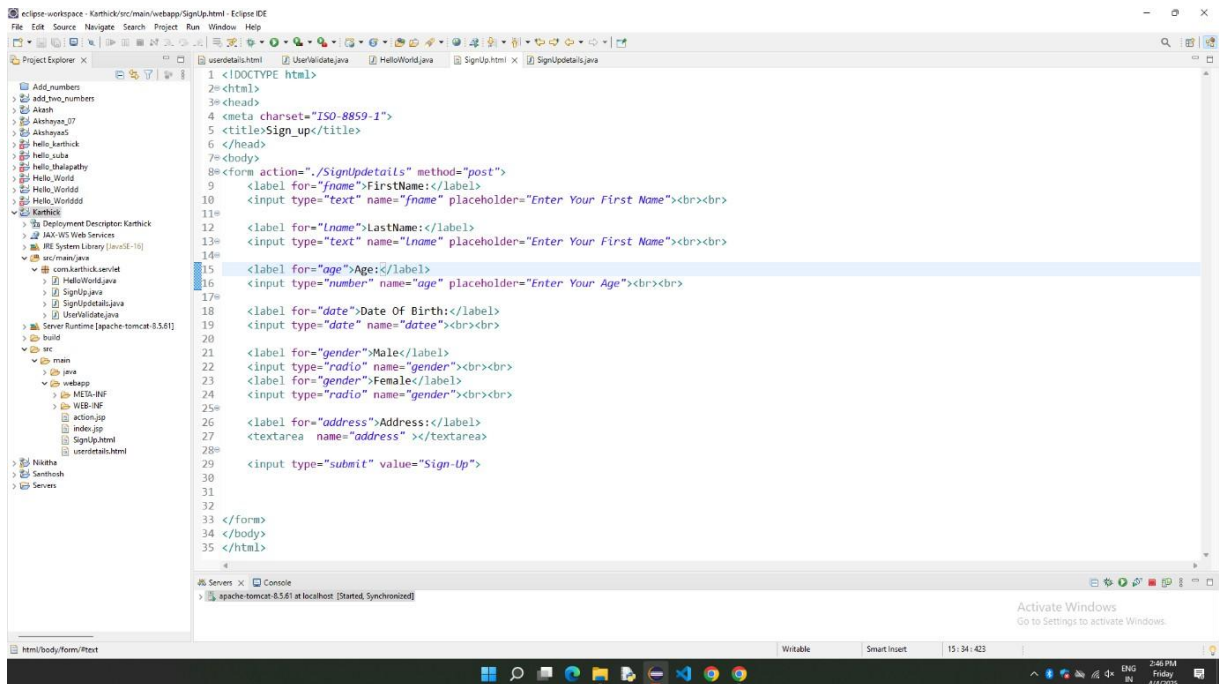
```
    String firstname=request.getParameter("fname");  
    String lastname=request.getParameter("lname");  
    int age=Integer.parseInt(request.getParameter("age"));  
    String date=request.getParameter("date");  
    String gender=request.getParameter("gender");  
    String address=request.getParameter("address");
```

```
    PrintWriter p = response.getWriter();  
    p.println("FirstName :"+firstname);  
    p.println("LastName :"+lastname);  
    p.println("Age :"+age);  
    p.println("Date Of Birth :"+date);  
    p.println("Gender :"+gender);  
    p.println("Address :"+address);
```

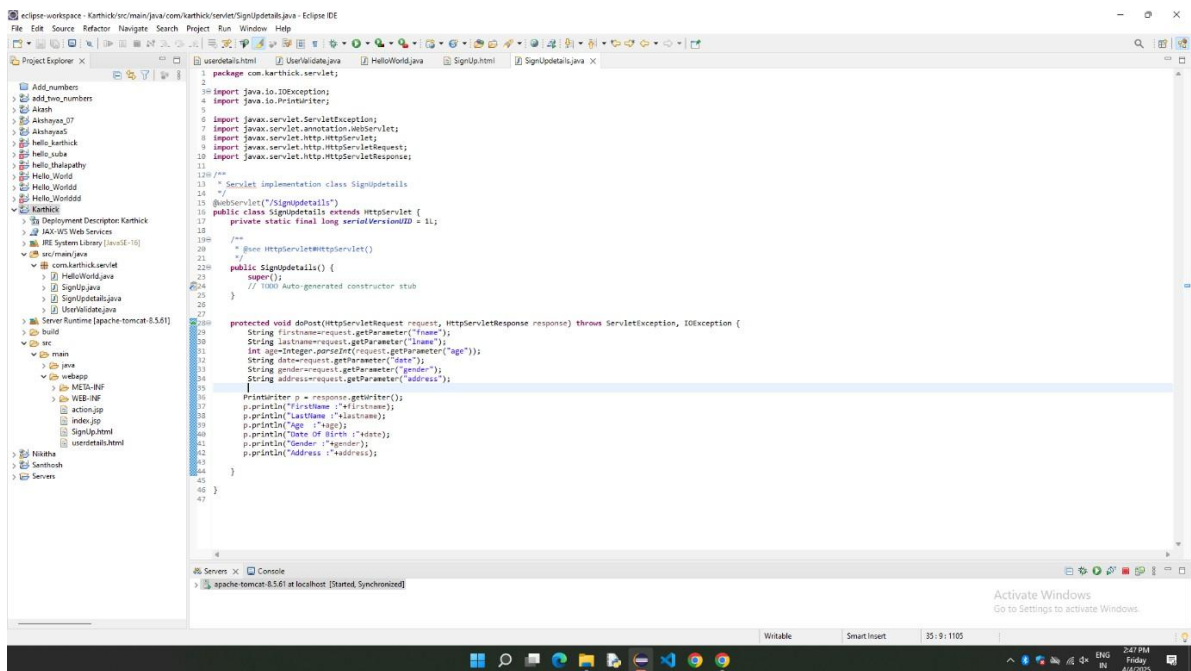
```
}
```

```
}
```

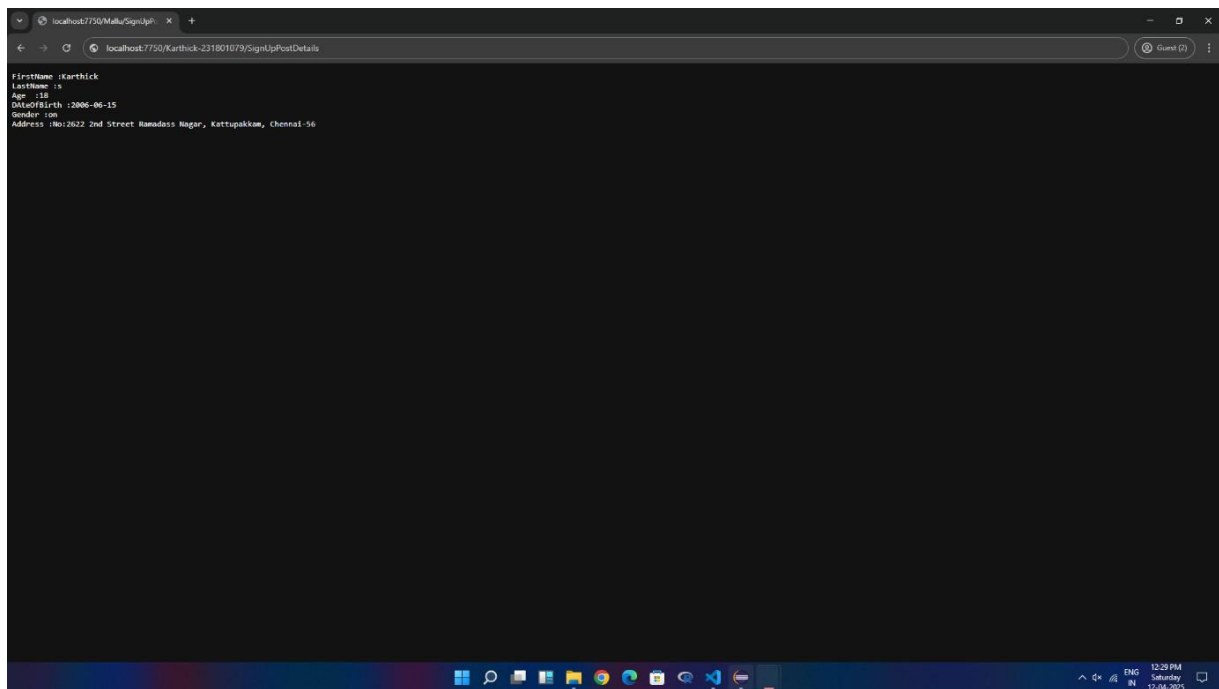
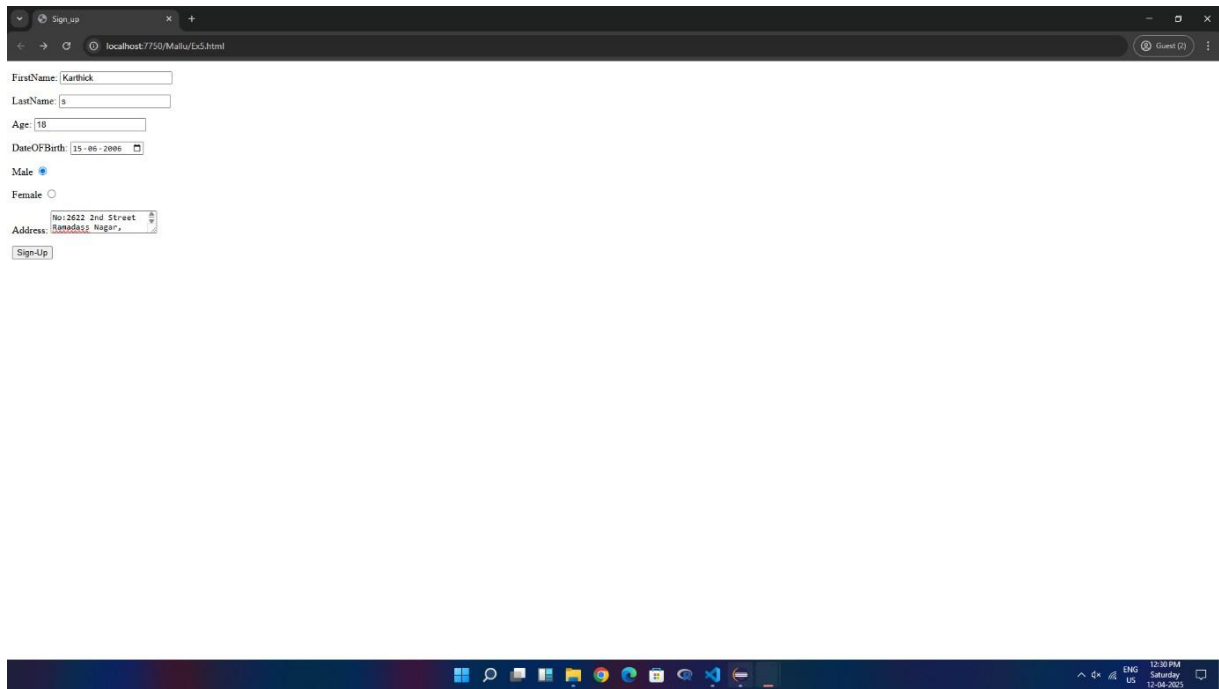
OUTPUT:



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Sign_up</title>
6 </head>
7 <body>
8 <form action="/SignUpDetails" method="post">
9 <label for="fname">FirstName:</label>
10 <input type="text" name="fname" placeholder="Enter Your First Name"><br><br>
11
12 <label for="lname">LastName:</label>
13 <input type="text" name="lname" placeholder="Enter Your First Name"><br><br>
14
15 <label for="age">Age:</label>
16 <input type="number" name="age" placeholder="Enter Your Age"><br><br>
17
18 <label for="date">Date Of Birth:</label>
19 <input type="date" name="date"><br><br>
20
21 <label for="gender">Male:</label>
22 <input type="radio" name="gender"><br><br>
23 <label for="gender">Female:</label>
24 <input type="radio" name="gender"><br><br>
25
26 <label for="address">Address:</label>
27 <textarea name="address" ></textarea>
28
29 <input type="submit" value="Sign-Up">
30
31
32
33 </form>
34 </body>
35 </html>
```



```
1 package com.karthick.servlet;
2
3 import java.io.IOException;
4 import java.io.PrintWriter;
5
6 import javax.servlet.ServletException;
7 import javax.servlet.annotation.WebServlet;
8 import javax.servlet.http.HttpServlet;
9 import javax.servlet.http.HttpServletRequest;
10 import javax.servlet.http.HttpServletResponse;
11
12 /**
13  * Servlet implementation class SignUpDetails
14  */
15 @WebServlet("/SignUpDetails")
16 public class SignUpDetails extends HttpServlet {
17     private static final long serialVersionUID = 1L;
18
19     /**
20      * @see HttpServlet#HttpServlet()
21      */
22     public SignUpDetails() {
23         super();
24         // Auto-generated constructor stub
25     }
26
27     /**
28      * Protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
29      * String firstName=request.getParameter("fname");
30      * String lastName=request.getParameter("lname");
31      * int age=Integer.parseInt(request.getParameter("age"));
32      * String date=request.getParameter("date");
33      * String gender=request.getParameter("gender");
34      * String address=request.getParameter("address");
35      *
36      * PrintWriter p = response.getWriter();
37      * p.println("FirstName :"+firstName);
38      * p.println("LastName :"+lastName);
39      * p.println("Age : "+age);
40      * p.println("Date Of Birth :"+date);
41      * p.println("Gender : "+gender);
42      * p.println("Address :"+address);
43      *
44      * }
45     }
46
47 }
```



RESULT:

Thus, the difference between HTTP GET and POST Method is Successful demonstrated by creating a form and handling requests.