Exp No: 5 Date: 23.2.25	Servlet program to demonstrate difference between HttpGet and Post method

AIM:
TO demonstrate difference between HttpGet and Post method using servlet.

PROGRAM:

SignUpPost.jsp

```
package com.signupproject.controller;

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

   /**
    * Default constructor.
    */
   public SignUpServlet() {
     // 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 {
                response.setContentType("text/html");
                PrintWriter writer = response.getWriter();
```

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```java
                    String name = request.getParameter("name");
                    String age = request.getParameter("age");
                    String gender = request.getParameter("gender");
                    String address = request.getParameter("address");

                    writer.println("<!DOCTYPE html>");
                    writer.println("<html>");
                    writer.println("<head>");
                    writer.println("<title>User Details</title>");
                    writer.println("</head>");
                    writer.println("<body>");
                    writer.println("<h2>User Details:</h2>");
                    writer.println("<p>Name: " + name + "</p>");
                    writer.println("<p>Age: " + age + "</p>");
                    writer.println("<p>Gender: " + gender + "</p>");
                    writer.println("<p>Address: " + address + "</p>");
                    writer.println("</body>");
                    writer.println("</html>");
          }

}
```

SignUpPostDetails.java

```java
package com.sricharan_170.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 SignUpPostDetails
 */
@WebServlet("/SignUpPostDetails/")
public class SignUpPostDetails extends HttpServlet {
private static final long serialVersionUID = 1L;

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

/**
```

```java
* @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 {
// TODO Auto-generated method stub
String f_name=request.getParameter("fname");
String l_name=request.getParameter("lname");
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+"<br>");
p.println("Last Name: "+l_name+"<br>");
p.print("Age: "+dob_v+"<br>");
p.print("Gender: "+gen+"<br>");
p.print("Address: "+add+"<br>");
}

}
```
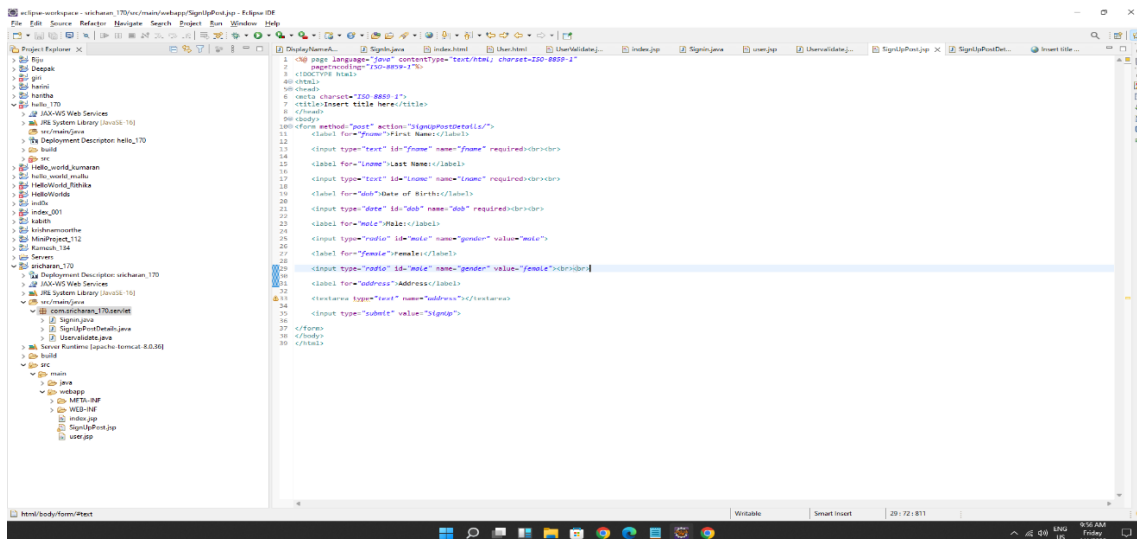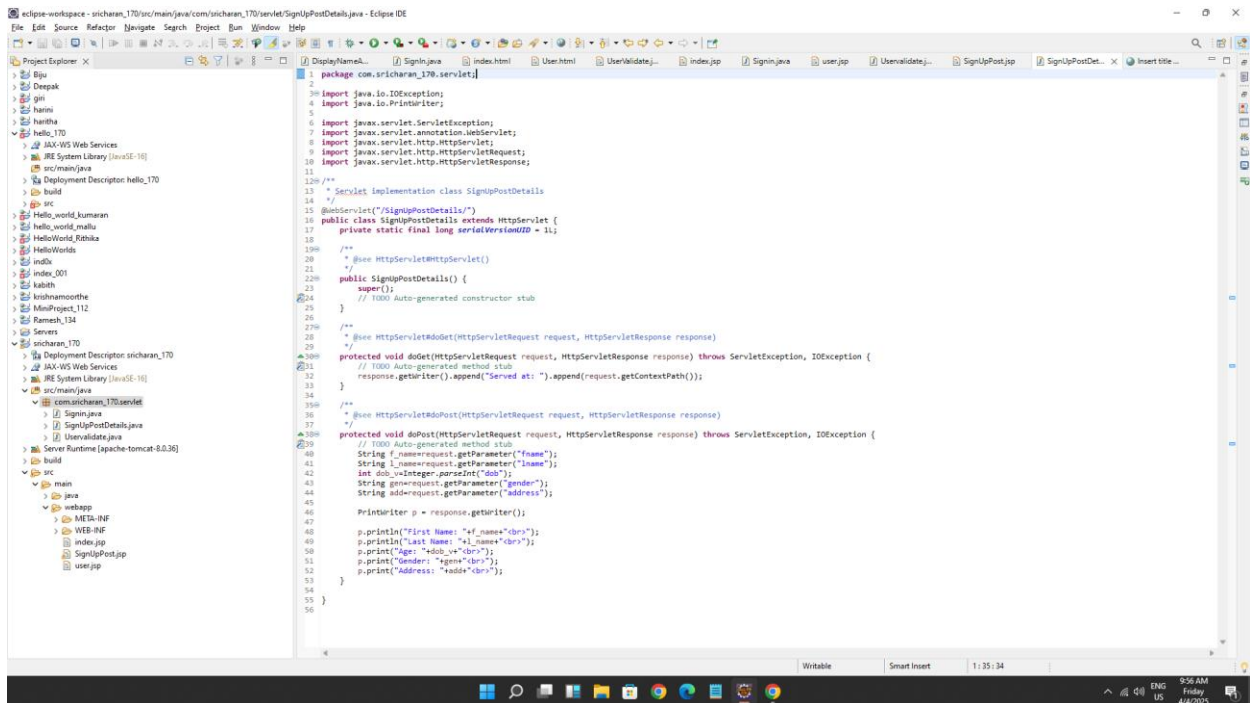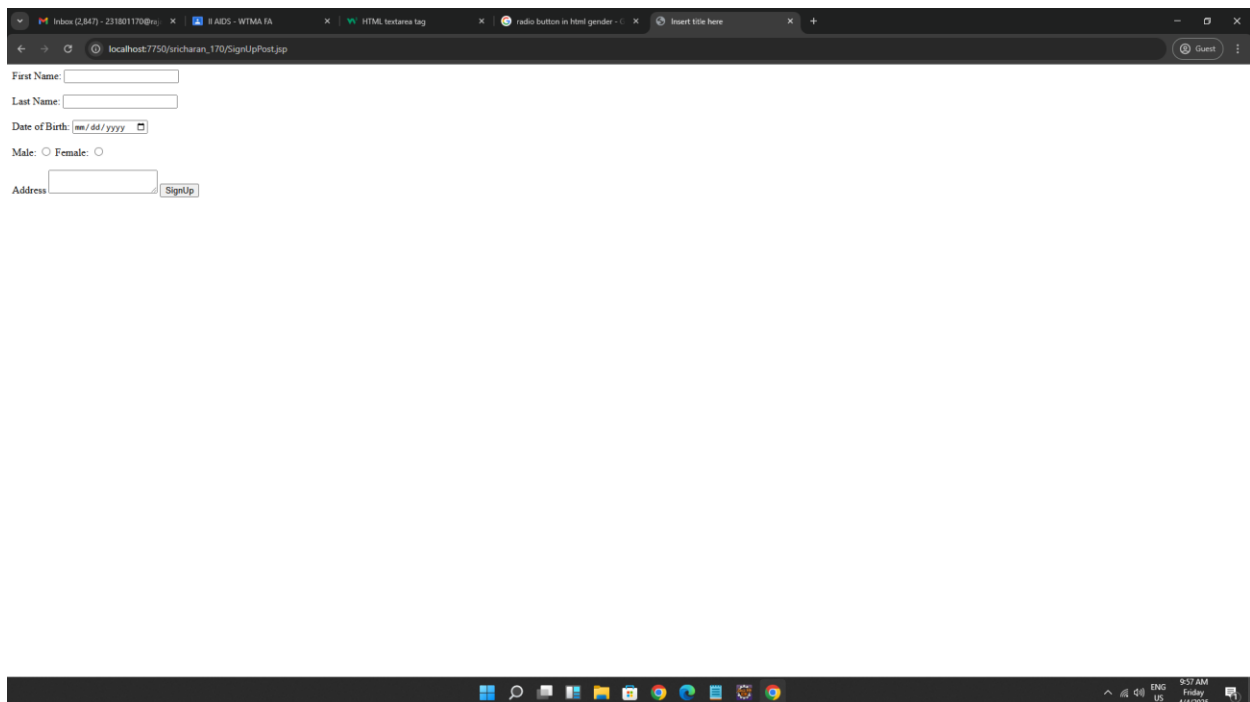
```java
package com.sricharan_170.servlet;

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

    /**
     * @see HttpServlet#HttpServlet()
     */
    public SignUpPostDetails() {
        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 {
        // TODO Auto-generated method stub
        String f_name=request.getParameter("fname");
        String l_name=request.getParameter("lname");
        int dob_v=Integer.parseInt("dob");
        String gen=request.getParameter("gender");
        String add=request.getParameter("address");

        PrintWriter p = response.getWriter();

        p.println("First Name: "+f_name+"<br>");
        p.println("Last Name: "+l_name+"<br>");
        p.print("Age: "+dob_v+"<br>");
        p.print("Gender: "+gen+"<br>");
        p.print("Address: "+add+"<br>");
    }
}
```

OUTPUT:

First Name:
Last Name:
Date of Birth: mm/dd/yyyy
Male: ○ Female: ○
Address: [   ] SignUp

```
First Name: fsdfsdfsd<br>
Last Name: fsdfsdfsd<br>
Age: 2025-04-16<br>Gender: male<br>Address: fsdfsdfsdfsdfsdf<br>
```

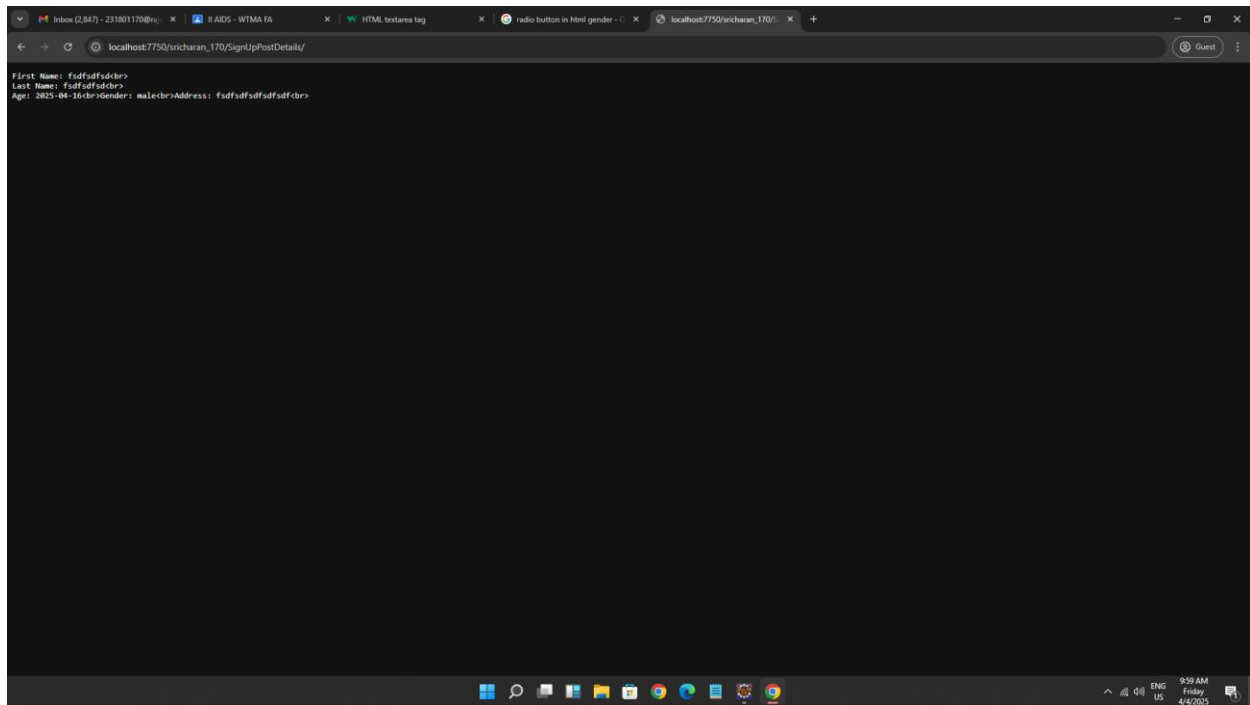**RESULT :**

A servlet program to difference HttpGet and Post is successfully implemented.

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