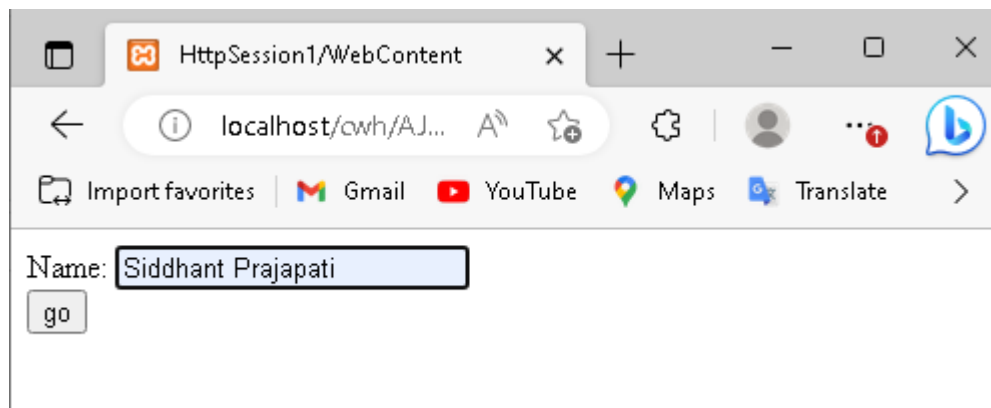## Assignment 6

Write a program to set the cookie information using servlet.

index.html

```html
<form action="servlet1">
Name:<input type="text" name="userName"/><br/>
<input type="submit" value="go"/>
</form>
```


FirstServlet.php

```java
import java.io.IOException;
import java.io.PrintWriter;

import jakarta.servlet.ServletException;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.Cookie;
import jakarta.servlet.http.HttpServlet;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

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

  /**
   * Default constructor.
   */
  public FirstServlet() {
```

```java
    // TODO Auto-generated constructor stub
  }

    /**
     * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
     */

    protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
            // TODO Auto-generated method stub
            try{

                    response.setContentType("text/html");
                    PrintWriter out = response.getWriter();

                    String n=request.getParameter("userName");
                    out.print("Welcome "+n);

                    Cookie ck=new Cookie("uname",n);//creating cookie object
                    response.addCookie(ck);//adding cookie in the response

                    //creating submit button
                    out.print("<form action='servlet2' method='post'>");
                    out.print("<input type='submit' value='go'>");
                    out.print("</form>");

                    out.close();

             }


            catch(Exception e){
                    System.out.println(e);
            }
      }

}
```
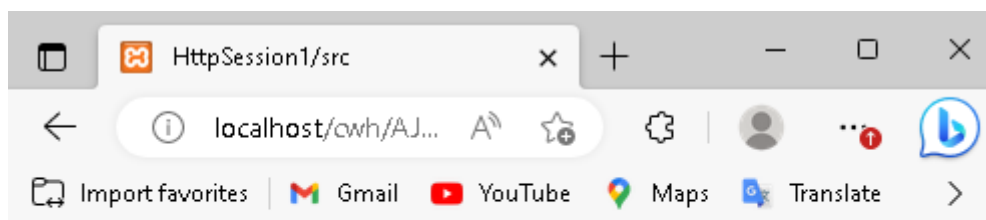
SecondServlet.php

```java
import java.io.*;
import jakarta.servlet.*;
import jakarta.servlet.annotation.WebServlet;
import jakarta.servlet.http.*;
import jakarta.servlet.http.HttpServletRequest;
import jakarta.servlet.http.HttpServletResponse;

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

  /**
   * Default constructor.
   */
  public SecondSevlet() {
    // TODO Auto-generated constructor stub
  }

        /**
         * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
         */

        protected void doPost(HttpServletRequest request, HttpServletResponse response) throws
ServletException, IOException {
                // TODO Auto-generated method stub

                try{

                        response.setContentType("text/html");
                        PrintWriter out = response.getWriter();

                        Cookie ck[]=request.getCookies();
                        out.print("Hello "+ck[0].getValue());

                        out.close();

                }catch(Exception e){System.out.println(e);}
                  }
        }
```
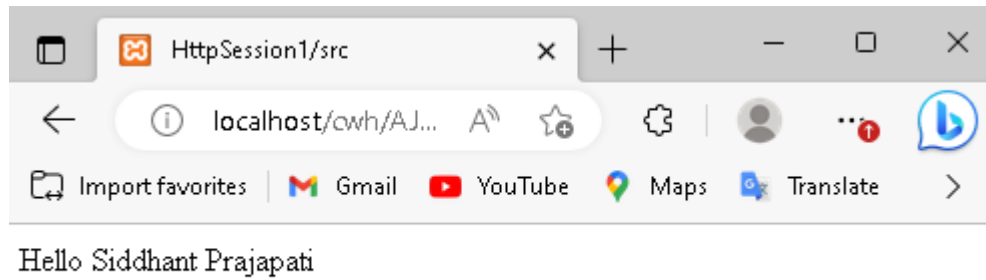
Hello Siddhant Prajapati

Web.xml

```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>cookies</display-name>

<servlet>
<servlet-name>s1</servlet-name>
<servlet-class>FirstServlet</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>s1</servlet-name>
<url-pattern>/servlet1</url-pattern>
</servlet-mapping>

<servlet>
<servlet-name>s2</servlet-name>
<servlet-class>SecondServlet</servlet-class>
</servlet>

<servlet-mapping>
<servlet-name>s2</servlet-name>
<url-pattern>/servlet2</url-pattern>
</servlet-mapping>

</web-app>
```