Phase-2 Practice Project: Assisted Practice

1.Write a program to demonstrate the differences between GET and POST using Servlet.

Source code:

Web.xml:

```xml
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://java.sun.com/xml/ns/javaee" xsi:schemaLocation="http://java.sun.com/xml/ns/javaee
http://java.sun.com/xml/ns/javaee/web-app_2_5.xsd" id="WebApp_ID" version="2.5">
 <display-name>FirstDemo</display-name>
 <welcome-file-list>
   <welcome-file>index.html</welcome-file>
 </welcome-file-list>
 <servlet>
   <description></description>
   <display-name>AddServlet</display-name>
   <servlet-name>AddServlet</servlet-name>
   <servlet-class>AddServlet</servlet-class>
 </servlet>
 <servlet-mapping>
   <servlet-name>AddServlet</servlet-name>
   <url-pattern>/AddServlet</url-pattern>
 </servlet-mapping>
</web-app>
```

Index.html:

```html
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>GET POST DIFF</title>
</head>
<body>
<center>GET POST DIFF</center>
submit the data using METHOD=GET<br><br>
<form action="AddServlet" method="get">
Enter number <input type="text" name="no1"><br>
Enter number <input type="text" name="no2"><br>
<input type="submit" value="add">
</form>
<br><br>
submit the data using METHOD=POST
<form action="AddServlet" method="post">
Enter number <input type="text" name="no1"><br>
Enter number <input type="text" name="no2"><br>
```

```html
<input type="submit" value="add">
</form>
</body>
</html>
```

AddServlet.java:

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

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

/**
 * Servlet implementation class AddServlet
 */
public class AddServlet extends HttpServlet {
        private static final long serialVersionUID = 1L;

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

        /**
         * @see HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)
         */
        protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
                                                                //String
                int no1=Integer.parseInt(request.getParameter("no1"));
                int no2=Integer.parseInt(request.getParameter("no2"));
                PrintWriter pw=response.getWriter();  //this class is used to generate a virtual response
                pw.print("the output of 2 numbers is " +(no1+no2));



        }

        /**
         * @see HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)
         */
        protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
                int no1=Integer.parseInt(request.getParameter("no1"));
```

```java
        int no2=Integer.parseInt(request.getParameter("no2"));
        PrintWriter pw=response.getWriter();  //this class is used to generate a virtual
response

        pw.print("the output of 2 numbers is " +(no1+no2));

        doGet(request, response);
    }

}
```

Output: