Get.html –

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action=*"GetServlet"* method=*"get"* style="margin: *20px 0*;">

<input type=*"submit"* value=*"Fetch Data"* />

</form>

<form action=*"PostServlet"* method=*"post"*>

<div style="margin-bottom: *10px*;">

<label for=*"data"*>Data</label>

<input type=*"text"* name=*"data"* id=*"data"* />

</div>

<input type=*"submit"* value=*"Add Data"* />

</form>

</body>

</html>

GetServlet.java –

**package** newdemo;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.ArrayList;

**import** jakarta.servlet.RequestDispatcher;

**import** jakarta.servlet.ServletException;

**import** jakarta.servlet.http.HttpServlet;

**import** jakarta.servlet.http.HttpServletRequest;

**import** jakarta.servlet.http.HttpServletResponse;

**import** jakarta.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class GetServlet1

\*/

**public** **class** GetServlet1 **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* Default constructor.

\*/

**public** GetServlet1() {

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method 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

doGet(request, response);

ArrayList<String> dataList = **new** ArrayList<String>();

HttpSession session = request.getSession(**false**);

RequestDispatcher rd = **null**;

**if**(session == **null** || (ArrayList<String>)session.getAttribute("dataList") == **null**) {

session = request.getSession();

dataList.add("one");

dataList.add("two");

dataList.add("three");

dataList.add("four");

dataList.add("five");

session.setAttribute("dataList", dataList);

rd = request.getRequestDispatcher("index.html");

PrintWriter out = response.getWriter();

rd.include(request, response);

out.println("<ul>");

**for**(String str:dataList) {

out.println("<li>"+str+"</li>");

}

out.println("</ul>");

out.println("<br/>");

out.println("<form action='ClearServlet' method='post'>"

+ "<input type='submit' value='Clear' />"

+ "</form>");

}

**else** {

ArrayList<String> temp = (ArrayList<String>)session.getAttribute("dataList");

System.***out***.println("no: "+session.getAttribute("dataList"));

rd = request.getRequestDispatcher("index.html");

PrintWriter out = response.getWriter();

rd.include(request, response);

out.println("<ul>");

**for**(String str:temp) {

out.println("<li>"+str+"</li>");

}

out.println("</ul>");

out.println("<br/>");

out.println("<form action='ClearServlet' method='post'>"

+ "<input type='submit' value='Clear' />"

+ "</form>");

}

}

}

PostServlet.java –

**package** newdemo;

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.util.ArrayList;

**import** jakarta.servlet.RequestDispatcher;

**import** jakarta.servlet.ServletException;

**import** jakarta.servlet.http.HttpServlet;

**import** jakarta.servlet.http.HttpServletRequest;

**import** jakarta.servlet.http.HttpServletResponse;

**import** jakarta.servlet.http.HttpSession;

/\*\*

\* Servlet implementation class PostServlet

\*/

**public** **class** PostServlet **extends** HttpServlet {

**private** **static** **final** **long** ***serialVersionUID*** = 1L;

/\*\*

\* Default constructor.

\*/

**public** PostServlet() {

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#service(HttpServletRequest request, HttpServletResponse response)

\*/

**protected** **void** service(HttpServletRequest request, HttpServletResponse response) **throws** ServletException, IOException {

// **TODO** Auto-generated method 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

doGet(request, response);

HttpSession session = request.getSession(**false**);

String data = request.getParameter("data");

ArrayList<String> dataList = **new** ArrayList<String>();

RequestDispatcher rd = **null**;

**if**(session != **null**) {

dataList = (ArrayList<String>)session.getAttribute("dataList");

dataList.add(data);

rd = request.getRequestDispatcher("index.html");

PrintWriter out = response.getWriter();

rd.include(request, response);

out.println("<ul>");

**for**(String str:dataList) {

out.println("<li>"+str+"</li>");

}

out.println("</ul>");

out.println("<br/>");

out.println("<form action='ClearServlet' method='post'>"

+ "<input type='submit' value='Clear' />"

+ "</form>");

}

}

}