

## Experiment No: 12

### Implement chaining program using servlet.

#### Program:

##### Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Greeting Form</title>
</head>
<body>
  <h1>Welcome to the Greeting Form</h1>
  <form action="form" method="get">
    Enter your name: <input type="text" name="name">
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

##### Web.xml:

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
  <servlet>
    <servlet-name>Servlet1</servlet-name>
    <servlet-class>Servlet1</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Servlet1</servlet-name>
    <url-pattern>/form</url-pattern>
  </servlet-mapping>
  <servlet>
    <servlet-name>Servlet2</servlet-name>
    <servlet-class>Servlet2</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Servlet2</servlet-name>
```

```

        <url-pattern>/greet</url-pattern>
    </servlet-mapping>
    <welcome-file-list>
        <welcome-file>index.html</welcome-file>
    </welcome-file-list>
</web-app>

```

### **Servlet1.java:**

```

import java.io.IOException; import
java.io.PrintWriter; import
jakarta.servlet.ServletException; import
jakarta.servlet.http.HttpServlet; import
jakarta.servlet.http.HttpServletRequest; import
jakarta.servlet.http.HttpServletResponse;

public class Servlet1 extends HttpServlet {    protected void
doGet(HttpServletRequest request, HttpServletResponse response)        throws
ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");        String name =
    request.getParameter("name");        request.setAttribute("name", name);
    request.getRequestDispatcher("/greet").forward(request, response);
    }
}

```

### **Servlet2.java:**

```

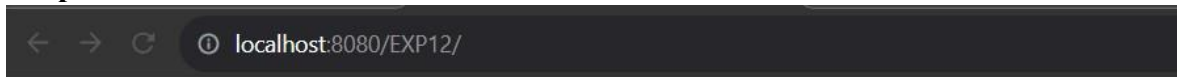
import java.io.IOException; import
java.io.PrintWriter; import
jakarta.servlet.ServletException; import
jakarta.servlet.http.HttpServlet; import
jakarta.servlet.http.HttpServletRequest; import
jakarta.servlet.http.HttpServletResponse;

public class Servlet2 extends HttpServlet {
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
throws ServletException, IOException {
    response.setContentType("text/html;charset=UTF-8");
        String name = (String) request.getAttribute("name");
        String greeting = "Hello, " + name + "! Welcome to the Greeting Form.";
    PrintWriter out = response.getWriter();        out.println("<html>");
    out.println("<head><title>Greeting</title></head>");        out.println("<body>");
    out.println("<h1>" + greeting + "</h1>");        out.println("</body>");
    out.println("</html>");
}

```

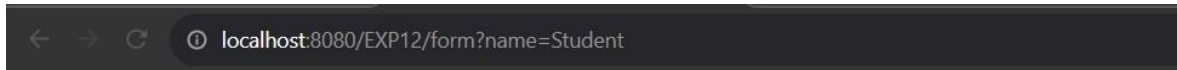
```
}  
}
```

**Output:**



## Welcome to the Greeting Form

Enter your name:



**Hello, Student! Welcome to the Greeting Form.**