

Practical No. 12

Aim :- Create, debug and execute program based on Generic Servlet





Theory :- A generic servlet is a protocol independent servlet that should always override the `service()` method to handle the client request. The `service()` method accept two arguments `ServletRequest` object and `ServletResponse` object. The request tells the about request made by client where the response returns a response back to the client.

`GenericServlet` is an abstract class and it has only one abstract method, which is `service()`, that's why when we create generic servlet by extending its class, we must override the method.

`GenericServlet` is requires to write and has simple lifecycle method.

First.java × index.html × web.xml ×

Source History


2  <html
3 <head>
4 <meta charset="UTF-8">
5 <title>Generic Servlet Demo</title>
6 </head>
7  <body>
8  Forward to Generic Servlet
9 </body>
10 </html>
11

First.java × index.html × web.xml ×

Source History

1

[-]

<web-app>

2

<display-name>GenericServlet</display-name>

3

[-]

<welcome-file-list>

4

<welcome-file>index.html</welcome-file>

5

<welcome-file>index.htm</welcome-file>

6

<welcome-file>index.jsp</welcome-file>

7

<welcome-file>default.html</welcome-file>

8

<welcome-file>default.htm</welcome-file>

9

<welcome-file>default.jsp</welcome-file>

10

</welcome-file-list>

11

12

[-]

<servlet>

13

<servlet-name>First</servlet-name>

14

<servlet-class>First</servlet-class>

15

</servlet>

16

17

18

[-]

<servlet-mapping>

19

<servlet-name>First</servlet-name>

20

<url-pattern>/welcome</url-pattern>

21

</servlet-mapping>

22

23

</web-app>

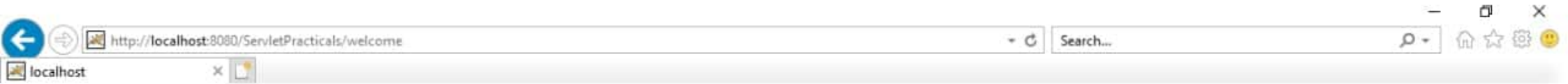
Scanned with CamScanner



```
1  import jakarta.servlet.GenericServlet;
2  import jakarta.servlet.ServletException;
3  import jakarta.servlet.ServletRequest;
4  import jakarta.servlet.ServletResponse;
5  import java.io.*;
6
7  public class First extends GenericServlet
8  {
9      public void service(ServletRequest req, ServletResponse res)
10     throws IOException, ServletException
11     {
12
13         res.setContentType("text/html");
14
15         PrintWriter out=res.getWriter();
16         out.print("<html><body>");
17         out.print("<b>HII Generic Servlet, I am BHAVIN from GPN!</b>");
18         out.print("</body></html>");
19
20     }
21 }
```



[Forward to Generic Servlet](#)



Hi Generic Servlet, I am BHAVIN from GPN!