

# **SERVLETS PART-6**

## **Servlet Redirecting:**

Passing control from one servlet to another servlet is called as servlet redirecting.

In servlet redirecting, server instructs the browser to execute next servlet.

## **Forwarding Vs. Redirecting**

### **Forwarding**

- 1) Forwarding request & response of one servlet to another servlet is called as servlet forwarding.
- 2) In forwarding, server itself forwards the request & response of one servlet to another servlet.
- 3) In forwarding only one pair of request & response created by web container.
- 4) Forwarding supports to forward servlet to servlet, jsp & html.
- 5) Forwarding works within the server only.

### **Redirecting**

- 1) Passing control from one servlet to another servlet is called as servlet redirecting.
- 2) In redirecting, server instructs the browser to execute next servlet.
- 3) In redirecting separate pair of request & response created by web container for every servlet.
- 4) Redirecting supports to redirect servlet to servlet, jsp, html, php, asp, .. etc.,
- 5) Redirecting works within the server also and between two different servers also.

## **Redirecting Example:**

### **login.html**

```
<html>

<body bgcolor=yellow text=blue>

<center>

<h1><u>Login Form</u></h1>
```

```
<form action=login method=POST>
Username <input type=text name=uname><br>
Password <input type=password name=pword><br><br>
<input type=submit><input type=reset>
</form>
</center>
</body>
</html>
```

### LoginServlet.java

```
package redirect;
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.RequestDispatcher;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/login")
public class LoginServlet extends HttpServlet {
    protected void doPost(HttpServletRequest request, HttpServletResponse
response) throws ServletException, IOException {
        String s1=request.getParameter("uname");
        String s2=request.getParameter("pword");
        if((s1.equals("abc"))&&(s2.equals("xyz")))
```

```
        {  
            response.sendRedirect("welcome");  
        }  
        else  
        {  
            PrintWriter pw=response.getWriter();  
            pw.println("<font color=red>Invalid  
Username/Password</font>");  
            RequestDispatcher  
rd=request.getRequestDispatcher("/login.html");  
            rd.include(request, response);  
        }  
    }  
}
```

### WelcomeServlet.java

```
package redirect;  
  
import java.io.IOException;  
import java.io.PrintWriter;  
import javax.servlet.ServletException;  
import javax.servlet.annotation.WebServlet;  
import javax.servlet.http.HttpServlet;  
import javax.servlet.http.HttpServletRequest;  
import javax.servlet.http.HttpServletResponse;  
  
@WebServlet("/welcome")  
  
public class WelcomeServlet extends HttpServlet {
```

```
protected void doGet(HttpServletRequest request, HttpServletResponse  
response) throws ServletException, IOException {
```

```
    String s=request.getParameter("uname");
```

```
    PrintWriter pw=response.getWriter();
```

```
    pw.println("<html><body bgcolor=green text=yellow><h1>");
```

```
    pw.println("Welcome "+s);
```

```
    pw.println("</h1></body></html>");
```

```
}
```

```
}
```

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