

8. Write a JSP program to demonstrate the declaration, scriptlets and expressions.

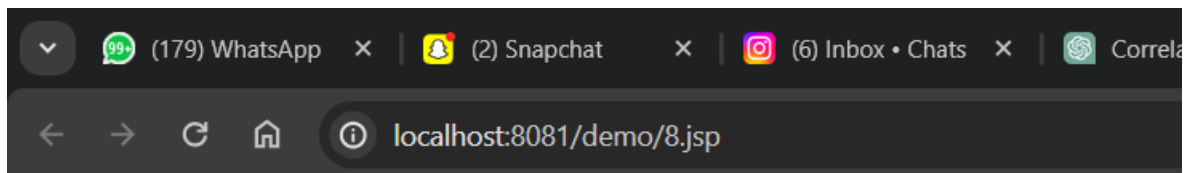
8.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JSP Example</title>
</head>
<body>
    <!-- Declaration -->
    <%!
        String message = "Hello, World!";
    %>

    <!-- Scriptlet -->
    <%
        int x = 5;
        int y = 10;
        int sum = x + y;
    %>

    <!-- Expression -->
    <h1><%= message %></h1>
    <p>Sum of <%= x %> and <%= y %> is <%= sum %>.</p>
</body>
</html>
```

Output:



# Hello, World!

Sum of 5 and 10 is 15.

9. Write a JSP program to demonstrate the setAttribute and getAttribute method.

9.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
```

```

<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JSP Attribute Example</title>
</head>
<body>
    <%
        // Set an attribute
        String message = "Hello, World!";
        request.setAttribute("message", message);

        // Get the attribute
        String retrievedMessage = (String) request.getAttribute("message");
    %>

    <h1>Message set using setAttribute:</h1>
    <p><%= retrievedMessage %></p>
</body>
</html>

```

Output:

## Message set using setAttribute:

Hello, World!

10. Write a JSP program to demonstrate the use of JSP Page directives

```

10.jsp:
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JSP Page Directive Example</title>
</head>
<body>
    <h1>JSP Page Directive Example</h1>
    <p>This is an example of using JSP page directives.</p>

    <!-- This is a comment in JSP -->

    <!-- Including another JSP page -->
    <%@ include file="included.jsp" %>

    <!-- Setting a session attribute -->
    <% session.setAttribute("username", "JohnDoe"); %>

    <!-- Forwarding the request to another resource -->
    <%@ include file="forwarded.jsp" %>
</body>
</html>

```

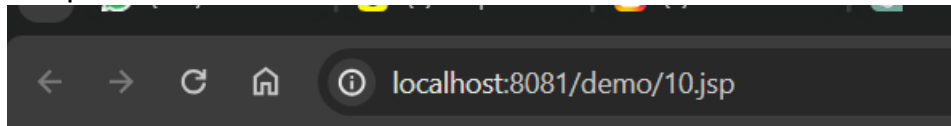
Included.jsp:

```
<p>This is the included JSP file.</p>
```

Forwarded.jsp:

```
<p>This is the forwarded JSP file.</p>  
<p>The username attribute set in the main JSP is: <%=  
session.getAttribute("username") %></p>
```

Output:



## JSP Page Directive Example

This is an example of using JSP page directives.

This is the included JSP file.

This is the forwarded JSP file.

The username attribute set in the main JSP is: JohnDoe

11. Write a JSP program to pass a parameter from one jsp file to another and display the values.

Index.jsp:

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>Pass Parameter Example</title>  
</head>  
<body>  
  <form action="second.jsp" method="get">  
    <label for="param">Enter Parameter:</label>  
    <input type="text" id="param" name="param">  
    <input type="submit" value="Submit">  
  </form>  
</body>  
</html>
```

Second.jsp:

```
<!DOCTYPE html>  
<html>  
<head>  
  <title>Second JSP</title>  
</head>  
<body>  
  <h1>Received Parameter</h1>  
  <p>Parameter value: <%= request.getParameter("param") %></p>
```

```
</body>
</html>
```

Output:

Enter Parameter:

---

## Received Parameter

Parameter value: tarshith

12. Create an HTML form to accept the login name and password, check the authorized login name and password through JSP at the server side and display appropriate message.

Login.html:

```
<!DOCTYPE html>
<html>
<head>
  <title>Login Form</title>
</head>
<body>
  <h2>Login Form</h2>
  <form action="login.jsp" method="post">
    <label for="username">Username:</label>
    <input type="text" id="username" name="username" required><br><br>

    <label for="password">Password:</label>
    <input type="password" id="password" name="password"
required><br><br>

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

Login.jsp:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
  <title>Login Status</title>
</head>
<body>
  <h2>Login Status</h2>
  <%-- Define authorized username and password --%>
  <%
```

```

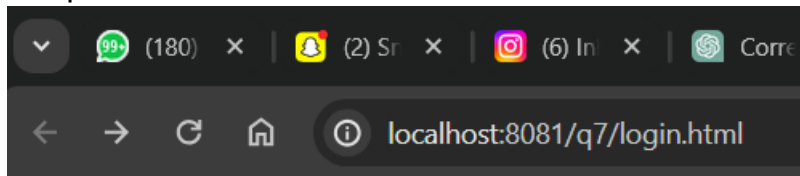
String authorizedUsername = "admin";
String authorizedPassword = "password";

// Retrieve username and password from the request
String username = request.getParameter("username");
String password = request.getParameter("password");

// Check if the credentials are correct
if(authorizedUsername.equals(username) &&
authorizedPassword.equals(password)) {
    out.println("<p>Login successful!</p>");
} else {
    out.println("<p>Invalid username or password. Please try
again.</p>");
}
%>
</body>
</html>

```

Output:



## Login Form

Username:

Password:

Only admin , password ivandi inka emi ichina fail avtadhi code lo by default declare chesam username, password



## Login Status

Login successful!