

## SESSION 15 PROGRAMS(JSP)

### JSP Scripting Elements

- JSP scriptlet tag
- JSP expression tag
- JSP declaration tag

#### Program 1

```
<html>
```

```
<body>
```

```
<%! int data=50; %>
```

(Declaration Tag)

```
<%= "Value of the variable is:"+data %>
```

(Expression Tag)

```
<% out.print("welcome to jsp"); %>
```

(Scriptlet Tag)

```
</body>
```

```
</html>
```

#### Program 2(Example of JSP declaration tag that declares method)

```
<html>
```

```
<body>
```

```
<%!
```

```
    int cube(int n){
```

```
        return n*n*n*;
```

```
    }
```

```
%>
```

```
<%= "Cube of 3 is:"+cube(3) %>
```

```
</body>
```

```
</html>
```

## 9 Implicit Objects

- JSP Out
- JSP Request
- JSP Response
- JSP Config
- JSP Application
- JSP Session
- JSP PageContext
- JSP Page
- JSP Exception

### Example of JSP request implicit object

#### Program 3 index.html

```
<form action="welcome.jsp">
<input type="text" name="uname">
<input type="submit" value="Go"> <br/>
</form>
```

#### Program 4 welcome.jsp

```
<%
    String name=request.getParameter("uname");
    out.print("welcome "+name);
%>
<%
    session.setAttribute("user",name);

    response.sendRedirect("output.jsp");
%>
```

### Program 4 output.jsp

```
<html>
<body>
<%

    String name = (String) session.getAttribute("user");
    out.print("Hello "+name);

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

## JSP Directive Elements

- JSP Page directive
- JSP Include directive

### Program 5

```
<html>
<body>

<%@ page import="java.util.Date" errorPage="myerrorpage.jsp" %>
Today is: <%= new Date() %>

</body>
</html>
```

### Program 6

```
//myerrorpage.jsp
<html>
<body>

<%@ page isErrorPage="true" %>

Sorry an exception occurred!<br/>
The exception is: <%= exception %>

</body>
</html>
```

### Program 7

```
<html>
```

```
<body>
```

```
<%@ include file="header.html" %>
```

```
Today is: <%= java.util.Calendar.getInstance().getTime() %>
```

```
</body>
```

```
</html>
```

```
header.html
```

```
<html>
```

```
<body>
```

```
Welcome to LexisNexis!!!
```

```
</body>
```

```
</html>
```

## JSP Action Elements

- jsp:forward
- jsp:include

JSP Action Tags	Description
jsp:forward	forwards the request and response to another resource.
jsp:include	includes another resource.

### Program 8

index.jsp

```
<html>
<body>
<h2>this is index page</h2>

    <jsp:forward page="printdate.jsp" />
</body>
</html>
```

### Program9

printdate.jsp

```
<html>
<body>
    <% out.print("Today is:" + java.util.Calendar.getInstance().getTime()); %>
</body>
</html>
```

## Core Java Training

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### Program 10

*File: index.jsp*

```
<h2>this is index page</h2>
```

```
<jsp:include page="printdate.jsp" />
```

```
<h2>end section of index page</h2>
```

### Program 11

*File: printdate.jsp*

```
<% out.print("Today is:" +java.util.Calendar.getInstance().getTime(); %>
```

### SESSION 15 ASSIGNMENTS

1. Write a Program to create Student.jsp. Create Student info fields like Roll No , Name , Std , Div , Age , Gender , Subjects . Call StudentDisplay.jsp.  
Create 2<sup>nd</sup>.jsp StudentDisplay.jsp . Display in this.jsp all the details entered in Student.jsp .
2. Create CompanyLabel.jsp which displays "TCS "  
Create another.jsp Company.jsp . Display message "Welcome"  
Include CompanyLabel.jsp .
3. Forward request from StudentDisplay.jsp to StudentOutput.jsp .  
Display all the students details in StudentOutput.jsp .