

1. Wap to demonstrate Hello World in JSP using scriptlets.

```
<html>
<body>
<marquee>
<%
    out.println("Hello World");
%>
</marquee>
</body>
</html>
```

2. Wap to demonstrate declaration and expression elements.

```
<html>
<body>
<%!int a=5,b=2;%>
<%out.println("A="+a+"\nB="+b);%>
<br/><b>Addition is:<%=a+b%></b>
</body>
</html>
```

3. Wap to print Date and use page directive.

```
<%@page import="java.util.*"%>
<html>
<body>
<%!Date d=new Date();%>
<%=d%>
<%--<%Date d=new Date();
    out.println(d);
%>--%>

</body>
</html>
```

4. Wap to demonstrate action elements jsp:forward and jsp:include.

```
<html>
<body>
<h1>
<jsp:forward page="date.jsp"/>
<!--<jsp:include page="date.jsp"/>-->
</h1>
</body>
</html>
```

5. Wap to put applet plugin in your jsp page.

**Create an applet.**

```
import java.awt.*;
import java.applet.*;
/*<applet code=Demo width=300 height=300></applet>*/
public class Demo extends Applet{
    public void paint(Graphics g)
    {
        g.drawString("Hello World",50,150);
    }
}
```

```

<html>
<body>
<jsp:plugin type="applet" code="Demo"/>
</body>
</html>

```

6. Wap to demonstrate expression language.

```

${10+2}

```

7. Wap to demonstrate Form with jsp.

#### **add.html**

```

<html>
<body>
<form name="f1" action="add.jsp">
Enter a:<input type="text" name="t1"/><br/>
Enter b:<input type="text" name="t2"/><br/>
<input type="submit"/>
</form>
</body>
</html>

```

#### **Add.jsp**

```

<html>
<body>
<h1>
<%
    int a=Integer.parseInt(request.getParameter("t1"));
    int b=Integer.parseInt(request.getParameter("t2"));
    out.println("Addition is:"+(a+b));
%>
</h1>
</body>
</html>

```

8. Wap to demonstrate Session.

#### **Login.html**

```

<html>
<body>
<form name="login" action="login.jsp" method="post">
Username:<input type="text" name="unm"/><br/>
Password:<input type="password" name="pwd"/><br/>
<input type="submit"/>
</form>
</body>
</html>

```

#### **Login.jsp**

```

<html>
<body>
<%!String str=new String();%>
<%
    HttpSession ses=request.getSession(true);
    str=request.getParameter("unm");
    ses.setAttribute("user",str);

```

```

        response.sendRedirect("chk_login.jsp");
    %>
</body>
</html>

```

### Chk\_login.jsp

```

<html>
<body>
<h3><%=session.getAttribute("user")%></h3>
<%
    if(session.getAttribute("user").equals("admin"))
    {
        out.println("<h2>Welcome,"+session.getAttribute("user")+ "</h2>");
    }
    else
    {
        out.println("Login Denied");
    }
%>
</body>
</html>

```

9. Wap to demonstrate cookie.

### Cookie.html

```

<html>
<body>
<form name="f1" action="setcookie.jsp">
Enter your name:<input type="text" name="t1"/><br/>
<input type="submit"/>
</form>
</body>
</html>

```

### Setcookie.jsp

```

<html>
<body>
<%
    String str=request.getParameter("t1");
    Cookie cookie=new Cookie("nm",str);
    response.addCookie(cookie);
%>
</body>
<a href="showcookie.jsp">Show Cookie Value</a>
</html>

```

### Showcookie.jsp

```

<%
    String ck="nm";
    Cookie cookies[]=request.getCookies();
    Cookie cookie=null;
    if(cookies!=null)
    {
        for(int i=0;i<cookies.length;i++)
        {
            if(cookies[i].getName().equals(ck))

```

```

        {
            cookie=cookies[i];
            break;
        }
    }
}
%>
<h3>Welcome,<%=cookie.getValue()%></h3>

```

10. Wap to demonstrate error handling using error page.

**errorHand.html**

```

<html>
<body>
<form name="div" action="errorHand.jsp">
Enter a:<input type="text" name="t1"/><br/>
Enter b:<input type="text" name="t2"/><br/>
<input type="submit"/>
</form>
</body>
</html>

```

**errorHand.jsp**

```

<%@page errorPage="error.jsp"%>
<html>
<body>
<%
    int a,b;
    a=Integer.parseInt(request.getParameter("t1"));
    b=Integer.parseInt(request.getParameter("t2"));
    int div=a/b;
%>
<%=div%>
</body>
</html>

```

**Error.jsp**

```

<%@page isErrorPage="true"%>
<html>
<body>
<h3 align="center"><font color="red"><%=exception.toString()%></font></h3>
</body>
</html>

```

11. Wap to demonstrate custom tag using JSTL.

Step – 1 create package in jsp-examples/WEB-INF/classes.

```

package myLib;
public class MyTag
{
    public static String upper(String str)
    {
        return str.toUpperCase();
    }
}

```

Step- 2 Compile it.

Step – 3 in WEB-INF/ make tlds folder and save the below file with name **myTag.tld**

```
<?xml version="1.0" encoding="UTF-8"?>
<taglib version="2.0" xmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/javaee web-jsptaglibrary_2_0.xsd">
```

```
<tlib-version>1.0</tlib-version>
<short-name>mytag</short-name>
<uri>/WEB-INF/tlds/mytag</uri>
```

```
<function>
<name>upper</name>
<function-class>myLib.MyTag</function-class>
<function-signature>String upper(java.lang.String)</function-signature>
</function>
</taglib>
```

Step – 4 now create jsp file.

```
<%@page pageEncoding="UTF-8"%>
<%@taglib prefix="my" uri="/WEB-INF/tlds/mytag"%>
<html>
<body>
<h1>${my:upper("hello")}</h1>
</body>
</html>
```

## 12. Wap to demonstrate database programming.

Select.jsp

```
<%@page import="java.sql.*"%>
<html>
<body>
<table border=5 bordercolor=red>
<%!public Connection con;
    public Statement st;
    public ResultSet rs;
%>
<a href='addre.html'>Add Data</a>
<%
    try{
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        con=DriverManager.getConnection("jdbc:odbc:abc");
        st=con.createStatement();
        rs=st.executeQuery("select *from stud");
        while(rs.next()){
            String rno=rs.getString(1);
            String nm=rs.getString(2);
            String ct=rs.getString(3);
            out.println("<tr><td>"+rno+"</td><td>"+nm+"</td><td>"+ct+"</td>
<td><a href=delete.jsp?rno="+rno+">Delete</a></td></tr>");
        }
    } catch(Exception e){e.printStackTrace();}
%>
</body>
</html>
```

Addre.html

```
<html>
<body>
<form name="f1" action="adddata.jsp">
Enter Roll_No:<input type="text" name="rno"/><br/>
Enter Name:<input type="text" name="nm"/><br/>
Enter City:<select name="ct">
<option value="rjt">Rajkot</option>
<option value="blor">B'lore</option>
<option value="mlor">M'lore</option>
<option value="Chennai">Chennai</option>
<option value="Masuri">Masuri</option>
<option value="Mysur">Mysur</option>
</select><br/>
<input type="submit"/>
</form>
</body>
</html>
```

Adddata.jsp

```
<%@page import="java.sql.*"%>
<html>
<body>
<table border=5 bordercolor=red>
<%!public Connection con;
        public Statement st;
        public ResultSet rs;
%>
<%
        try{
            Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
            con=DriverManager.getConnection("jdbc:odbc:abc");
            st=con.createStatement();
            String rno=request.getParameter("rno");
            String nm=request.getParameter("nm");
            String ct=request.getParameter("ct");
            String str="insert into stud values("+rno+", "+nm+", "+ct+")";
            int res=st.executeUpdate(str);
            if(res>0)
                response.sendRedirect("select.jsp");
            else
                out.println("Opps!!! Can't Insert Data");
        }catch(Exception e){e.printStackTrace();}
%>
</body>
</html>
```

Delete.jsp

```
<%@page import="java.sql.*"%>
<html>
<body>
<table border=5 bordercolor=red>
<%!public Connection con;
        public Statement st;
        public ResultSet rs;
```

```
%>
<%
    try{
        Class.forName("sun.jdbc.odbc.JdbcOdbcDriver");
        con=DriverManager.getConnection("jdbc:odbc:abc");
        st=con.createStatement();
        String rno=request.getParameter("rno");
        String str="delete from stud where rno="+rno;
        int res=st.executeUpdate(str);
        if(res>0)
            response.sendRedirect("select.jsp");
        else
            out.println("Opps!!! Can't Delete Data");
    } catch(Exception e){e.printStackTrace();}

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