

## JSP Assignment

### Sample

#### 1. Hello World

```
<%@ page language="java" %>
<html>
<head>
<title>Simple JSP</title>
</head>
<body>

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

#### 2.JSP Program with Form (Number Display)

```
<%@ page language="java" %>
<html>
<head>
<title>Simple JSP Form</title>
</head>
<body>
<form method="GET">
Enter number: <input type="text" name="n">
<input type="submit" value="Show">
</form>

<%
String num = request.getParameter("n");
if (num != null) {
    out.print("You entered: " + num);
}
%>

</body>
</html>
```

#### 3. Addition and Square

```
<%@ page language="java" %>
<html>
<head>
<title>Addition and Square</title>
</head>
<body>

<form method="GET">
Enter First Number: <input type="text" name="a"><br><br>
Enter Second Number: <input type="text" name="b"><br><br>
```

```

<input type="submit" value="Calculate">
</form>

<%
String a = request.getParameter("a");
String b = request.getParameter("b");

if (a != null && b != null) {
    int x = Integer.parseInt(a);
    int y = Integer.parseInt(b);

    out.print("Addition = " + (x + y) + "<br>");
    out.print("Square of First Number = " + (x * x));
}
%>

</body>
</html>

```

## Assignment

### Qu 1. First JSP Program

```

<html>
<head>
<title> JSP Demo </title>
</head>
<body>

<% out.print("My first JSP Program"); %>

</body>
</html>

```

### Qu 2. Display Date and Time

```

<%@page language="java" import="java.util.*" %>
<html>
<head>
<title> JSP Demo </title>
</head>
<body>
Current Date and Time is :: <% out.print(new java.util.Date()); %>

</body>
</html>

```

### **Qu 3. Accept and Display a number**

```
<%@page language="java" import="java.util.*" %>
<html>
<head>
<title> JSP Number Demo </title>
</head>
<body>
<form method="GET" action="first.jsp">
Enter a number <input type="text" name="n" > <br>
<input type="submit" value="Display" /><br>

<%
try
{
out.print (" Entered Number is:: " +Integer.parseInt(request.getParameter("n")));

}
catch (Exception e)
{
out.print(e);
} %>

</body>
</html>
```

### **Qu 4. Check the number is EVEN or ODD**

//number.html

```
<html>
<head>
<title> EVEN/ODD Demo </title>
</head>
<body>
<form method="POST" action="number.jsp">
Enter a number <input type="text" name="n" > <br>
<input type="submit" value="Display" /><br>
</body>
</html>
```

// number.jsp

```
<%@ page language="java" import="java.util.*" %>
<html>
<head>
```

```

<title> EVEN/ODD Demo </title>
</head>
<body text="red">

<%
try
{
int x=Integer.parseInt(request.getParameter("n"));
if(x%2==0)
out.print ("Entered Number is EVEN ");
else
out.print("Enterd number is ODD");
}
catch (Exception e)
{
out.print(e);
}
%>

</body>
</html>

```

### **Qu 5. Check the number is PRIME or NOT**

```

//prime.html

<html>
<head>
<title> CHECK PRIME </title>
</head>
<body>
<form method="POST" action="prime.jsp">
Enter a number <input type="text" name="n" > <br>
<input type="submit" value="PRIME/NOT PRIME" />
</body>
</html>

```

```

//prime.jsp

<%@ page language="java" import="java.util.*" %>
<html>
<head>
<title> PRIME Demo </title>

```

```

</head>
<body text="green">
<%
try
{
int x=Integer.parseInt(request.getParameter("n"));
int i,flag=1;
for(i=2;i<x;i++)

{
if(x%i==0)
{
flag++;
break;
}
}
if(flag==1)
out.print("Number is Prime");
else
out.print("Number is not Prime");

}

catch (Exception e)
{
out.print(e);
}

%>
</body>
</html>

```

## Qu 6. Sum of First and Last digit

```

//sum.html
<html>
<head>
<title > SUM OF DIGIT </title>
</head>
<body>
<form method="POST" action="sum.jsp">
Enter a number <input type="text" name="n" > <br>
<input type="submit" value="SUM OF FIRST & LAST DIGIT " />
</body>
</html>

```

```

//sum.jsp
<%@ page language="java" import="java.util.*" %>
<html>
<head>
<title> SUM OF FIRST & LAST DIGIT </title>
</head>
<body text="red">
<%
try
{
int x=Integer.parseInt(request.getParameter("n"));
int l;
l=x%10;
while(x >10)
{
x=x/10;
}

out.print("Sum of first and last digit is:: " +(l+x));
}
catch (Exception e)
{
out.print(e);
}

%>
</body>
</html>

```

**Qu. 7 Input: n= 123 Output: ONE TWO THREE**

```

//number.html

<html>
<head>
<title> Number Demo </title>
</head>
<body>
<form method="POST" action="number.jsp">
Enter a number <input type="text" name="n" > <br>
<input type="submit" value="Display" />
</body>
</html>

```

```
//number.jsp

<%@ page language="java" import="java.util.*" %>
<html>
<head>
<title> Number Demo </title>
</head>
<body text="red">
<%
try
{
int x=Integer.parseInt(request.getParameter("n"));
int r=0,l=0;
    while(x>0)
    {
        l=x%10;
        r=r*10+l;
        x=x/10;
    }

    while(r!=0)
    {
        l=r%10;
        r=r/10;

        switch(l)
        {
            case 0:out.print("ZERO\t");
                    break;<html>
<head>
<title> Greetings !! </title>
</head>
<body>
<form method="POST" action="greet.jsp">
Enter Your Name <input type="text" name="txt" > <br>
<input type="submit" value="Display Message" />
</body>
</html>
case 1:out.print("ONE\t");
break;
                case 2:out.print("TWO\t");
break;
                case 3:out.print("THREE\t");
break;
```

```

        case 4:out.print("FOUR\t");
break;
        case 5:out.print("FIVE\t");
break;

        case 6:out.print("SIX\t");
break;

        case 7:out.print("SEVEN\t");
break;

        case 8:out.print("EIGHT\t");
break;
        case 9:out.print("NINE\t");
break;
    }
}

}

catch (Exception e)
{
    out.print(e);
}

%>
</body>
</html>

```

## Qu. 8 Greet User as per time

```

// greet.html

<html>
<head>
<title> Greetings !! </title>
</head>
<body>
<form method="POST" action="greet.jsp">
Enter Your Name <input type="text" name="txt" > <br>
<input type="submit" value="Display Message" />
</body>
</html>

```

```
//greet.jsp
```

```
<%@ page language="java" import="java.util.*" %>
<html>
<head>
<title> Greetings !! </title>
</head>
<body text="red" >
<%
try
{
String s= request.getParameter("txt");
Date d=new Date();
int t=d.getHours();

if(t>0 && t<12)
out.print("Good Morning !!\t" +s);
else if(t>=12 && t<=16)
out.print("Good Evening !!\t" +s);
else
out.print("Good Night !!\t" +s);
}
catch (Exception e)
{
out.print(e);
}
%>
</body>
</html>
```

### Qu. 9 Check the eligibility of User for voting

```
//voter.html
```

```
<html>
<head>
<title> Voter Login Page </title>
</head>
<body>
<h2> Enter Your Details Here </h2>
<form action="voter.jsp" method="POST">
Enter Your Name <input type="text" name="txt"><br>
Enter Your Age <input type="text" name="n"><br>
<input type="submit" value="Validate">
```

```
<input type="reset" value="Reset">
</form>
</body>
</html>

//voter.jsp

<%@ page language="java" import="java.util.*" %>
<html>
<head>
<title> Voter Demo </title>
</head>
<body text="green">
<%
try
{
int x=Integer.parseInt(request.getParameter("n"));
String s= request.getParameter("txt");
if(x >=18 )

out.print("Congradulations !\t" +s+" you are eligible for Voting");
else
out.print("Sorry !\t" +s+" you are not eligible for Voting");

}

catch (Exception e)
{
out.print(e);
}

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