

## Practical 8

Design a web app, in which when you hit a default resource in your web project, it would forward you to a page where you can input Two numbers. Those number are restricted to be Integer only. Your task is to calculate the division of those two numbers and return to the client and yes make sure to cover all possible exceptions can be occurred, handle those exceptions as well by these page directives

- <% @ page errorPage= "error.jsp"%> and <% @ page isErrorPage = "true" %>

### Source Code

#### default.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Practical 8</title>
</head>
<body> <%
out.println("Hello there, Warm Greetings! <br><br><br>"); out.println("Please
Enter Your UserName: <br>");
%>
<!-- <form action="3rdJspPageResponse.jsp"> -->
<form action="2ndJspPageRequest.jsp">
    <input type="text" name="username"> <input type="submit"
value="submit">
    </form>
</body>
</html>
```

### **2ndJspPagerequest.jsp**

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Form Action</title>
</head>
<body>
<%
String username=request.getParameter("username"); out.println("Entered
UserName is: <br><br>" + username);
%>
</body>
</html>
```

### **3rdJspPageResponse.jsp**

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Redirecting</title>
</head>
<body>
<%
String typedData=request.getParameter("username");
response.sendRedirect("http://www" + typedData + ".com"); %> </body>
```

</html>

### **Index.jsp**

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
    <form action="process.jsp">
        Number 1:<input type="text" name="n1" /><br />
        <br /> Number 2:<input type="text" name="n2" /><br />
        <br /> <input type="submit" value="divide" />
    </form>
</body> </html> process.jsp
```

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Processing</title>
</head>
<body>
<% @ page errorpage="error.jsp"%>
<%
```

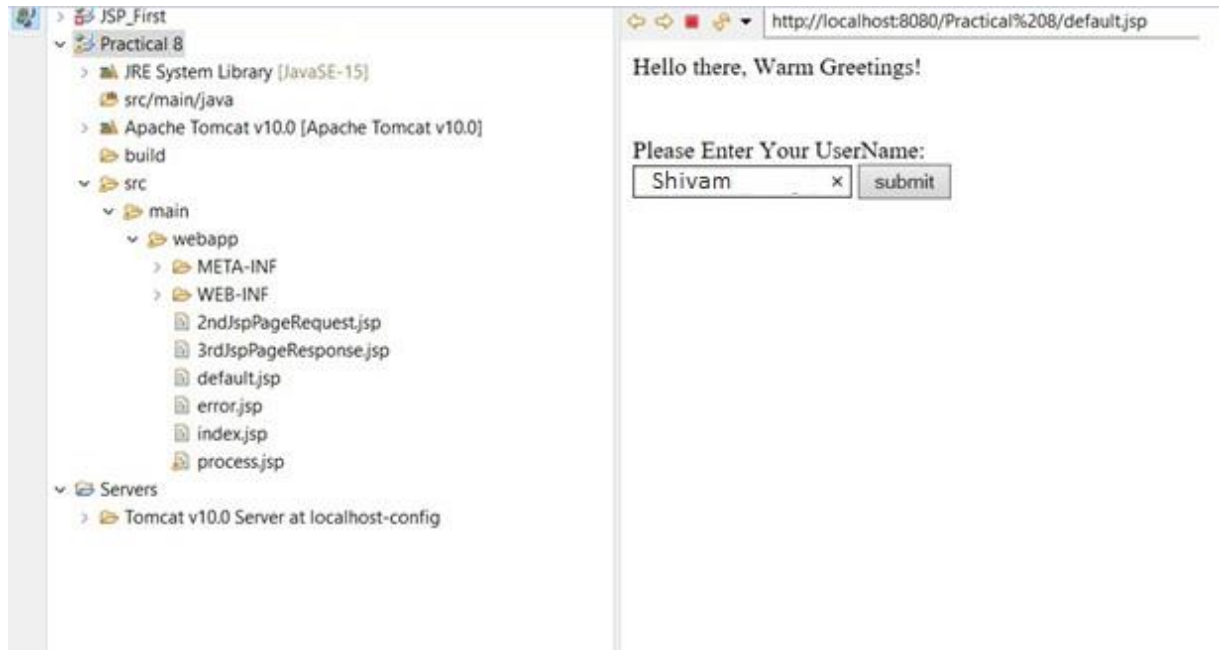
```
String num1=request.getParameter("n1"); String num2=request.getParameter("n2");
```

```
int a=Integer.parseInt(num1); int
b=Integer.parseInt(num2); int c=a/b;
out.println("Division of numbers is =" + c);
%>
</body>
</html>
```

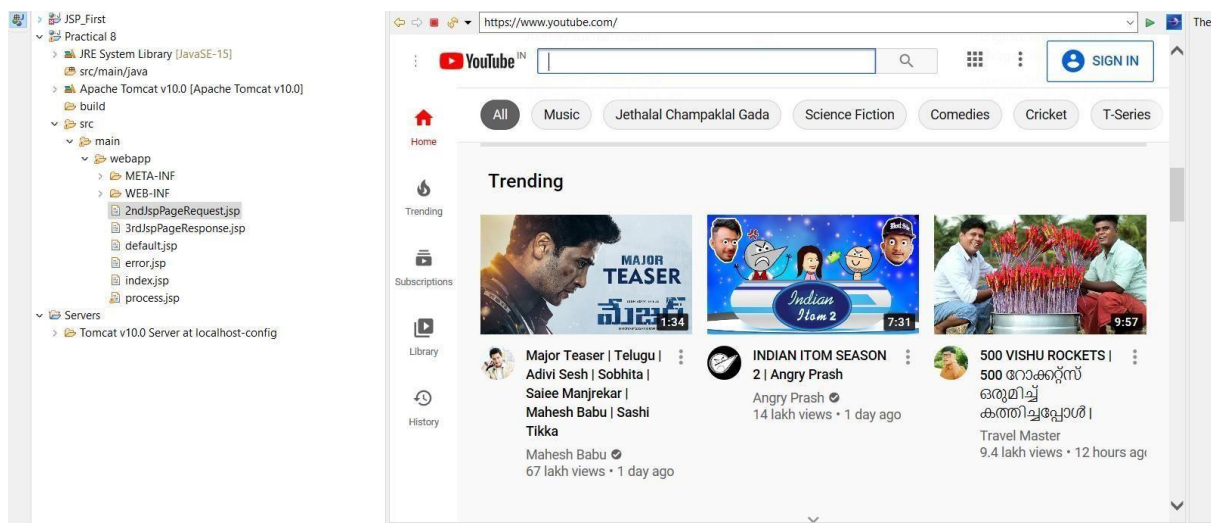
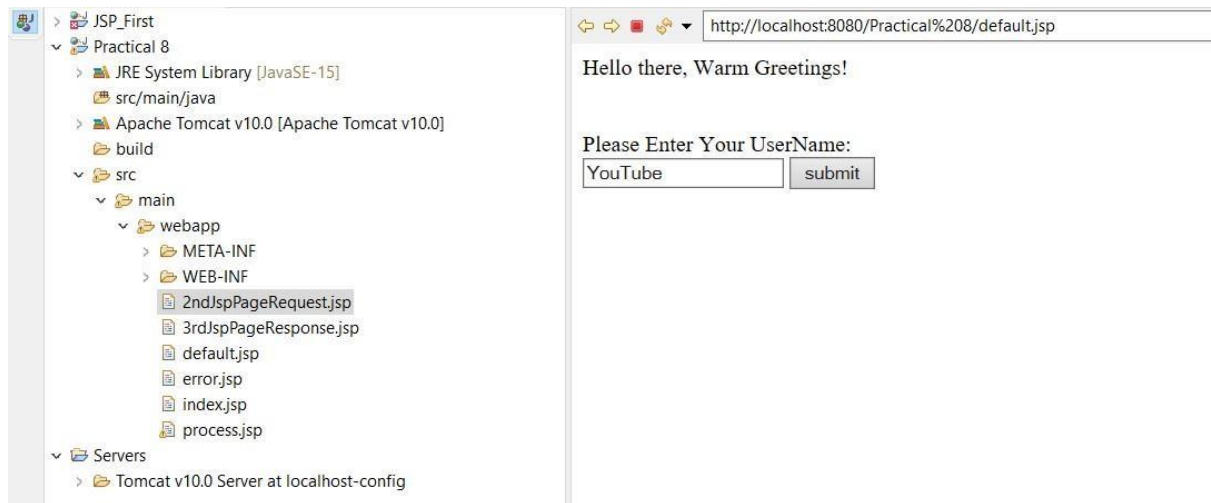
### **error.jsp**

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<title>Insert title here</title>
</head>
<body>
<% @ page isErrorPage="true" %>
<h3>Sorry, an exception occurred.</h3>
Exception is:<%= exception %>
</body>
</html>
```

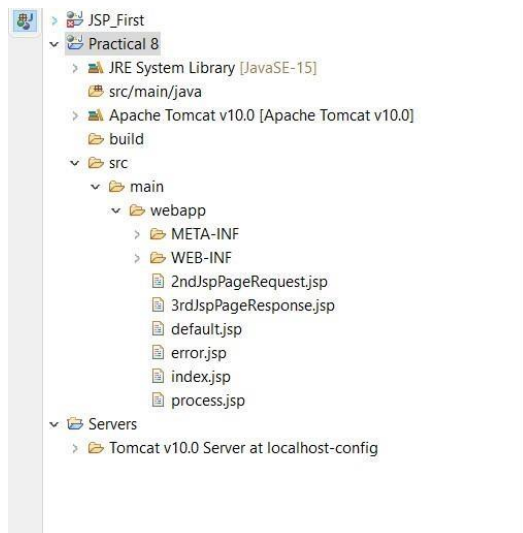
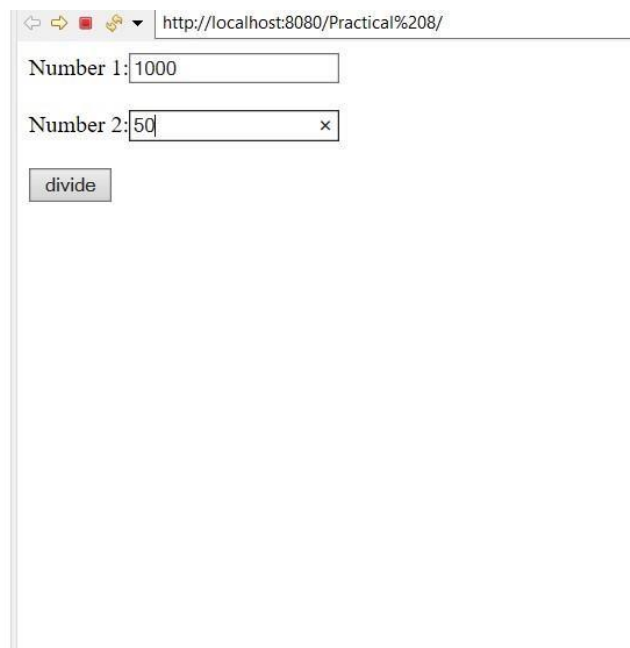
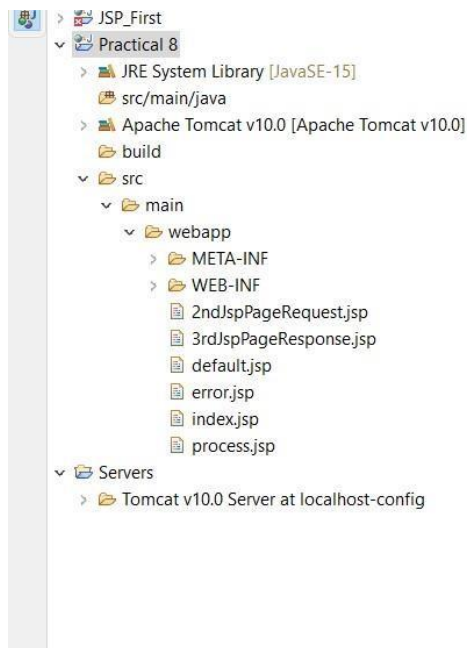
## OUTPUT

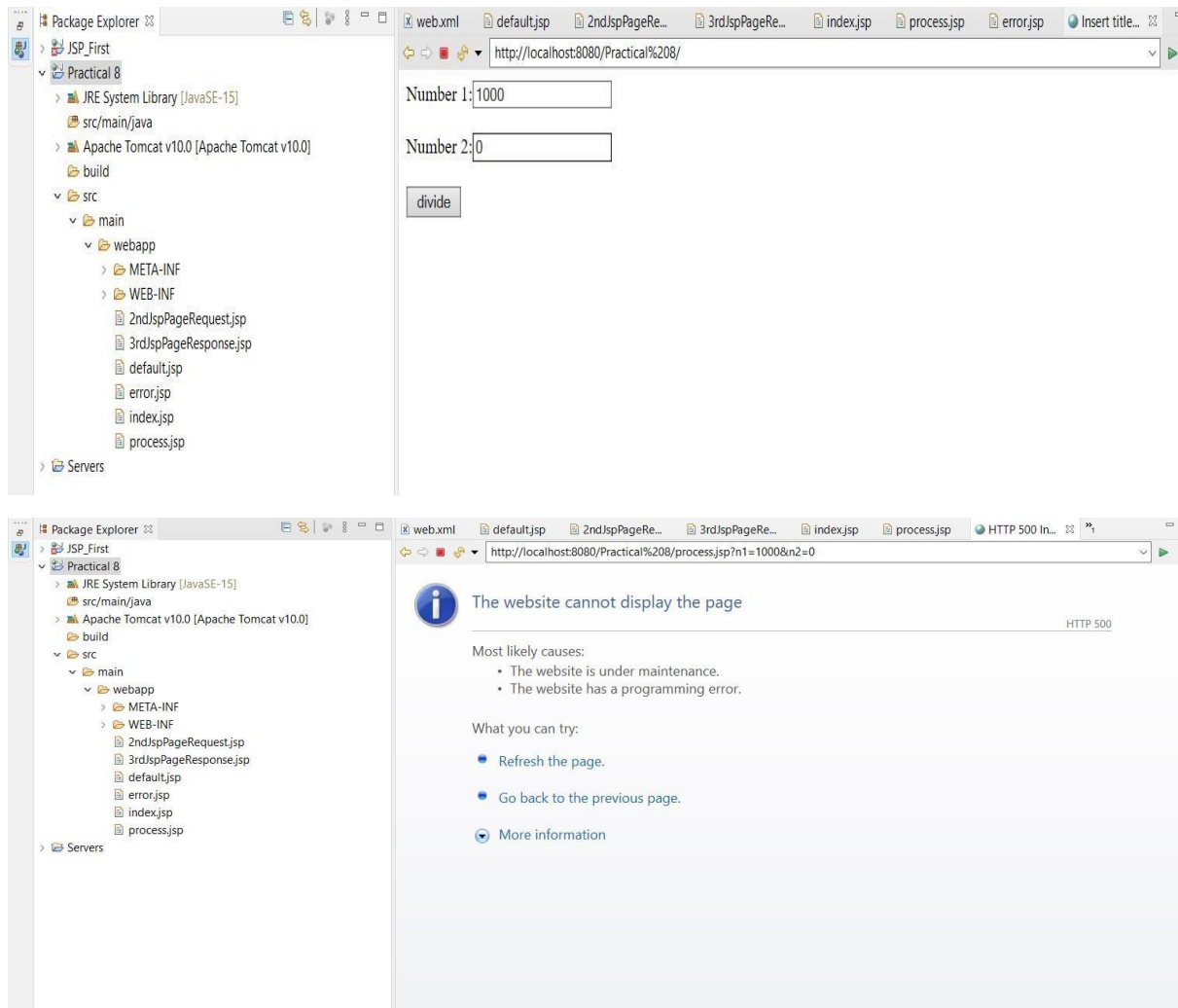


**Case when we comment `<!-- <form action="3rdJspPageResponse.jsp"> -->`**



**Case when we comment <form action="2ndJspPageRequest.jsp">**





**When a number is divided with 0, it shows that the website or the response that we are sending that has an error.**