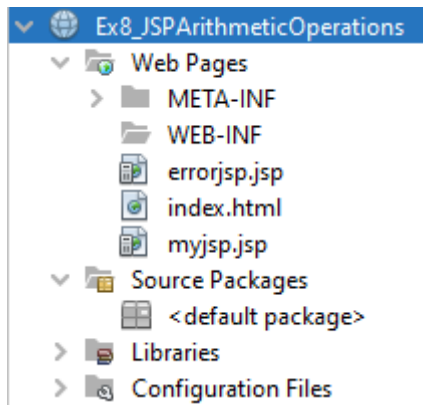


Ex 8: Perform exception handling using JSP.

- a) Create a JSP page to get input as two numbers a, b from user.
- b) Provide buttons for addition, subtraction, multiplication and division on the same page.
- c) Create a JSP pages for performing all the operations and displaying the result.
- d) Create an exception handling JSP page for handling any exceptions.

Step 1:



Step 2:

Index.html

```
<html>

<head>

    <title>ERROR CALCULATION</title>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

</head>

<body>


<form action="myjsp.jsp">
No1:<input type="text" name="n1" />
<br/><br/>
No2:<input type="text" name="n2" />
<br/><br/>
<input type="submit" name="r1" value="add"/>
<input type="submit" name="r1" value="divide"/>
<input type="submit" name="r1" value="subtract"/>
```

```
<input type="submit" name="r1" value="multiply"/>
</form>
```

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

Step 3:

Myjsp.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Calculation</title>
  </head>
  <%@ page errorPage="errorjsp.jsp" %>
  <%
String num1=request.getParameter("n1");
String num2=request.getParameter("n2");
String operation = request.getParameter("r1");

int a=Integer.parseInt(num1);
int b=Integer.parseInt(num2);

if(operation.equals("add")){
  int add=a+b;
  out.println("Addition is: "+add);
}
else if(operation.equals("subtract")){
  int sub=a-b;
  out.println("Substraction is: "+sub);
}
```

```

else if(operation.equals("multiply")){
    int mul=a*b;
    out.println("multiplication is: "+mul);
}
else if(operation.equals("divide"))
{
    int div = a/b;
    if(a>=b)
        out.println("division is: "+div);
    else
        out.println("The division cannot be performed");
}
%>

</body>

</html>

```

Step: 4

Error.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8"%>

<!DOCTYPE html>

<html>

    <head>

        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

        <title>Error Page</title>

    </head>

    <body>

        <%@ page isErrorPage="true" %>

        <h3>Sorry an exception occurred!</h3>

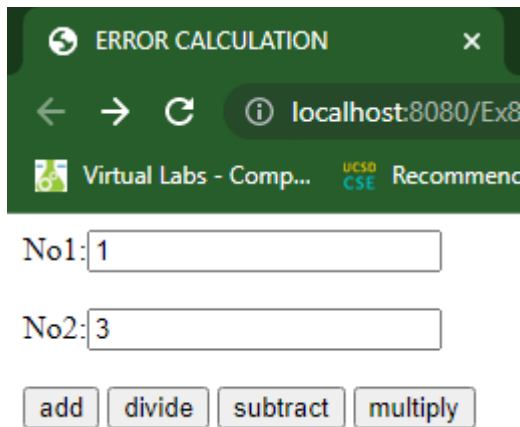
        Exception is: <%= exception %>

    </body>

</html>

```

Output:



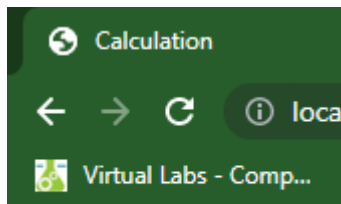
ERROR CALCULATION

localhost:8080/Ex8

Virtual Labs - Comp... UCSB CSE Recommend

No1:

No2:

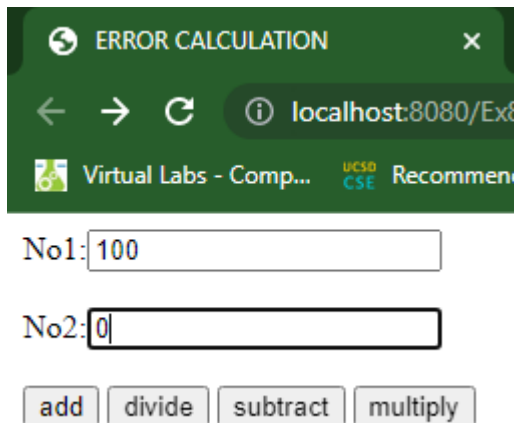


Calculation

localhost

Virtual Labs - Comp...

Addition is: 4



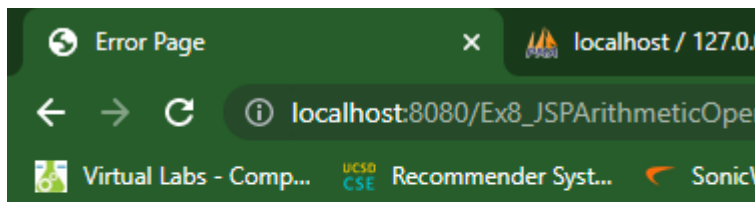
ERROR CALCULATION

localhost:8080/Ex8

Virtual Labs - Comp... UCSB CSE Recommend

No1:

No2:



Error Page

localhost / 127.0.0.1

localhost:8080/Ex8_JSPArithmeticOpe

Virtual Labs - Comp... UCSB CSE Recommender Syst... SonicV

Sorry an exception occurred!

Exception is: java.lang.ArithmeticException: / by zero