



Experiment 3.3

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Subject Name: Project Based Learning in Java

Subject Code: 20CSP-321

1. Aim:

Write a JSP application to demonstrate the expression tag by using mathematical operation.

2. Software used: IntelliJ IDEA, JDK

3. Code:

input.html

```
<html>
  <title>Sample Example </title>
  <body>
    <form method="post" action="index.jsp">
      <fieldset style="width:30%; background-color:#b3d1ff">
        <h2><center> Mathematical Operation</center></h2>
        <hr>
        <font size=5 face="Times New Roman">
          <input type="radio" name="a1" value="add"
checked>Addition</input><br>
          <input type="radio" name="a1"
value="sub">Subtraction</input><br>
          <input type="radio" name="a1" value="mul"
>Multiplication</input><br>
          <input type="radio" name="a1" value="div"
>Division</input><br>
        </font>
      <table>
        <tr>
          <td>Enter first Value:</td>
          <td> <input type="text" name="t1" value=""></td>
        </tr>
      </table>
    </form>
  </body>
</html>
```



```
        <td>Enter second Value: </td>
        <td><input type="text" name="t2" value=""></td>
    </tr><br>
    <tr>
        <td></td>
        <td><input type="submit" name="result" value="Check
result!"></td>
    </tr>
</table>
</fieldset>
</form>
</body>
</html>
```

index.jsp

```
<%@ page errorPage="error.jsp" %>
<html>
    <body>
        <H1><center>Result for <%=request.getParameter("a1")%></center></H1>
        <%
            String num1=request.getParameter("t1");
            String num2=request.getParameter("t2");

            int i=Integer.parseInt(num1);
            int j=Integer.parseInt(num2);

            int k=0;
            String str=request.getParameter("a1");
            if(str.equals("add"))
                k=i+j;
            if(str.equals("sub"))
                k=i-j;
            if(str.equals("mul"))
                k=i*j;
            if(str.equals("div"))
                k=i/j;
        %>
        Result is: <%=k%>
    </body>
</html>
```

error.jsp

```
<%@ page isErrorPage="true" %>
```

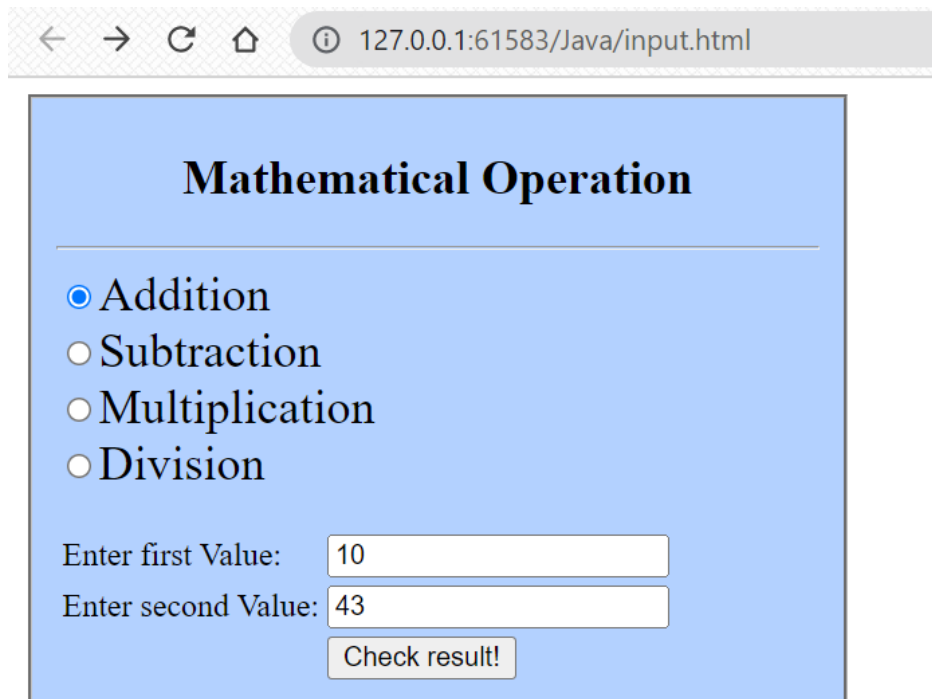
```
<h3>Sorry an exception occurred!</h3>
```

```
Exception is: <%= exception %>
```

web.xml

```
<web-app>
  <servlet>
    <servlet-name>xyz</servlet-name>
    <jsp-file>/input.html</jsp-file>
  </servlet>
  <servlet-mapping>
    <servlet-name>xyz</servlet-name>
    <url-pattern>/test</url-pattern>
  </servlet-mapping>
</web-app>
```

4. Output:



← → ↻ 🏠 ⓘ 127.0.0.1:61583/Java/input.html

Mathematical Operation

- ☒ Addition
- ☐ Subtraction
- ☐ Multiplication
- ☐ Division

Enter first Value:

Enter second Value:

Result is: 53



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