

“Experiment 10”

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Branch: **CSE**

Semester: **5**

Subject Name: **PBLJ Lab**

UID: **20BCS8226**

Section/Group: **808-A**

Date of Submission: **06-11-22**

Subject Code: **20CSP-321**

Aim:

Create JSP application for Addition, Multiplication and Division.

Minimum Hardware Requirements:

- 2 GHz CPU or 1 virtual CPU in virtualized environments.
- 1 GB of RAM.
- 4 GB of storage.

Minimum Software Requirements:

Software	Version
<ul style="list-style-type: none">• OS	<ul style="list-style-type: none">• Mac OS 10.15, HP-UX 11i V3, AIX 7.2, Windows Server 2019, Windows 10, Solaris 11.3, Red Hat Enterprise Linux 8.1, Ubuntu Server 20.04
<ul style="list-style-type: none">• JDK• Server	<ul style="list-style-type: none">• JDK 1.8.0, JDK 11, Eclipse IDE, Net, NetBeans 8.2• Apache tomcat, Glassfish server, WebLogic server, web sphere, Jbos server

Source Code:

```
<! ----- calculator.html ----->

<! DOCTYPE html>

<html>

<title>calculator</title>

<head><h1><center> Calculator</center></h1></head>

<body>

<center>

<form action="calculator.jsp" method="get">

<label for="num1"><b>Value 1</b></label>

<input type="text" name ="num1"><br><br>

<label for = "num2"><b>Value 2</b></label>

<input type="text" name="num2"><br><br>

<input type ="radio" name = "r1" value="Add">+

<input type = "radio" name = "r1" value="Sub">-<br>

<input type="radio" name="r1" value ="mul">*

<input type = "radio" name="r1" value="div">/<br><br>

<input type="submit" value="submit">

</center>

</body>

</html>
```

<% calculator.jsp %>

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<title>calculator</title>
<head> </head>
<body>
<%@page language="java"%>
<%
int num1 = Integer.parseInt(request.getParameter("num1"));
int num2 = Integer.parseInt(request.getParameter("num2"));
String operation = request.getParameter("r1");
if(operation.equals("Add")){
int add=num1+num2;
out.println("Addition is: "+add);
}
else if(operation.equals("Sub")){
int sub=num1-num2;
out.println("Substraction is: "+sub);
}
else if(operation.equals("mul")){
int mul=num1*num2;
out.println("multiplication is: "+mul);
}
else if(operation.equals("div"))
{
int div = num1/num2;
if(num1>=num2)
out.println("division is: "+div);
```

```
else
out.println("The division cannot be performed");
}
%>
</body>
</html>
```

Output:

