**“Experiment 10”**

Student Name: **SUMIT KUMAR** UID: **20BCS8226**

Branch: **CSE** Section/Group: **808-A**

Semester: **5** Date of Submission: **06-11-22**

Subject Name: **PBLJ Lab** 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** |
| * OS | * 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 |
| * JDK * Server | * JDK 1.8.0, JDK 11, Ellipse 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:**

