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1. Write a java servlet program to do following :

1) Take 2 numbers from user on HTML form and choice of action using 3 radiobuttons with

choice as "ADD" , "SUBTRACT" , "MULTIPLY" (form action -> "takeinput")

2) This action must map to Decide servlet

3) There should be 3 Servlets : AddServlet , SubtractServlet , MultiplyServlet

4) On Decide servlet check which choice has been done by the user and depending on the choice

redirect the user to corresponding servlet and display the result of the operation.

Index.jsp

<!**DOCTYPE** html>

<**html**>

<**head**>

<**meta** charset=*"ISO-8859-1"*>

<**title**>Addition Demo</**title**>

<**meta** name=*"viewport"* content=*"width=device-width, initial-scale=1"*>

<**link** rel=*"stylesheet"* href=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css"*>

<**script** src=*"https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"*></**script**>

<**script** src=*"https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"*></**script**>

</**head**>

<**body**>

<**div** class=*"container"*>

<**form** action=*"takeinputs"* method=*"get"* class=*"form"*>

<**div** class=*"form-group"*>

<**label** class=*"control-label"*>Enter First Number</**label**>

<**input** type=*"text"* name=*"num1"* placeholder=*"First Number"*

class=*"form-control"*>

</**div**>

<**div** class=*"form-group"*>

<**label** class=*"control-label"*>Enter Second Number</**label**>

<**input** type=*"text"* name=*"num2"* placeholder=*"Second Number"*

class=*"form-control"*>

</**div**>

<**div**>

<**input** type=*"radio"* name=*"operation"* value=*"Add"*>Addition

<**input** type=*"radio"* name=*"operation"* value=*"Substract"*>Substraction

<**input** type=*"radio"* name=*"operation"* value=*"Multiply"*>Multiplication

<**br**>

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

<**input** type=*"reset"* value=*"Reset"*>

</**div**>

</**form**>

</**div**>

</**body**>

</**html**>

Takeinputs.java

package com.calculate.servlet;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Addition

\*/

public class takeinputs extends HttpServlet {

public void service(HttpServletRequest request,HttpServletResponse response) throws IOException

{

int num1 = Integer.parseInt(request.getParameter("num1"));

int num2 = Integer.parseInt(request.getParameter("num2"));

PrintWriter output = response.getWriter();

String s= request.getParameter("operation");

if(s.equals("Add")) {

output.println("<h1>Addition of two numbers : "+(num1+num2)+"</h1>");

}

else if(s.equals("Substract")){

output.println("<h1>Substraction of two numbers : "+(num1-num2)+"</h1>");

}

else if(s.equals("Multiply")){

output.println("<h1>Multiplication of two numbers : "+(num1\*num2)+"</h1>");

}

}

}

Web.xml

<!**DOCTYPE** web-app PUBLIC

"-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"

"http://java.sun.com/dtd/web-app\_2\_3.dtd" >

<**web-app**>

<**display-name**>Archetype Created Web Application</**display-name**>

<**servlet**>

<**servlet-name**>Calculate</**servlet-name**>

<**servlet-class**>com.calculate.servlet.takeinputs</**servlet-class**>

</**servlet**>

<**servlet-mapping**>

<**servlet-name**>Calculate</**servlet-name**>

<**url-pattern**>/takeinputs</**url-pattern**>

</**servlet-mapping**>

</**web-app**>

Output :











