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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.mi
n.css">
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></s
cript>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.j
s"></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="Subtract">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;
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("Subtract")){
            output.println("<h1>Substraction of two numbers : " +(num1-
num2)+"</h1>");
        }
    }
}

```

```

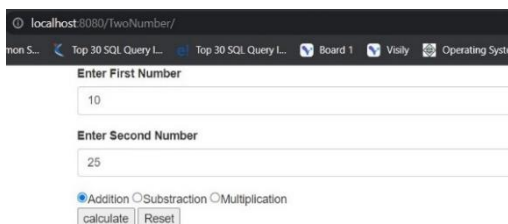
        else if(s.equals("Multiply")){
            output.println("<h1>Multiplication of two numbers :
"+(num1*num2)+"</h1>");
        }
    }
}

```

```

<!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>

```




Addition of two numbers : 35

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localhost:8080/TwoNumber/

Enter First Number

25

Enter Second Number

4

☐ Addition ☒ Subtraction ☐ Multiplication

calculate Reset

Substraction of two numbers : 21

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localhost:8080/TwoNumber/takeinputs?num1=25&num2=4&op=

20 Most Common SQL Queries | Top 30 SQL Query List | Board 1

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localhost:8080/TwoNumber/

Enter First Number

25

Enter Second Number

4

☐ Addition ☐ Substraction ☒ Multiplication

calculate Reset

Multiplication of two numbers : 100

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localhost:8080/TwoNumber/takeinputs?num1=25&num2=4&op=

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