

1

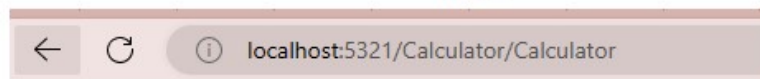
Calculator

send request



click calculate button then go to next page

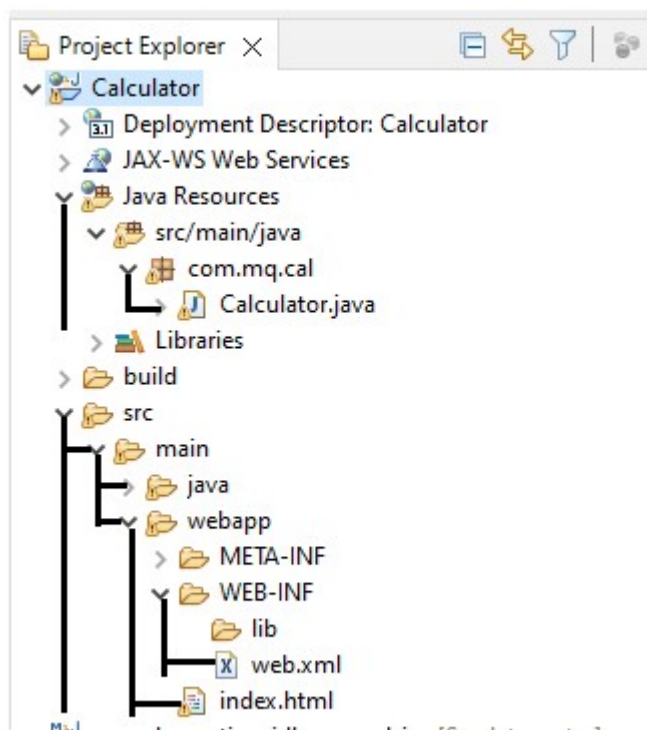
generate dynamic response



2

Add Operation value of:2

Calculator



Com.mq.cal.Calculator.java

```
package com.mq.cal;

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 Calculator extends HttpServlet {

    @Override

    protected void doPost(HttpServletRequest req,
        HttpServletResponse res) throws ServletException,
        IOException {

        res.setContentType("text/html");

        PrintWriter pw=res.getWriter();

        String num1=req.getParameter("num1");
        String num2=req.getParameter("num1");
        String op=req.getParameter("op");
```

```
int n1=Integer.parseInt(num1);
int n2=Integer.parseInt(num2);
if(op.equalsIgnoreCase("add"))
{
    int value=n1+n2;

    pw.println("<h1 style='color:green;'>Add Opretion
    value of:"+value+"</h1>");

    pw.println("<h1 style='color:green;'><a
    href='index.html'>Calculator</a></h1>");
}

else if(op.equalsIgnoreCase("sub"))
{
    int value=n1-n2;

    pw.println("<h1 style='color:green;'>Sub Opretion
    value of:"+value+"</h1>");

    pw.println("<h1 style='color:green;'><a
    href='index.html'>Calculator</a></h1>");
}

else if(op.equalsIgnoreCase("div"))
{
    int value=n1/n2;
```

```
pw.println("<h1 style='color:green;'>Div Opretion  
value of:"+value+"</h1>");  
  
pw.println("<h1 style='color:green;'><a  
href='index.html'>Calculator</a></h1>");  
  
}  
  
else if(op.equalsIgnoreCase("mul"))  
{  
  
int value=n1*n2;  
  
pw.println("<h1 style='color:green;'>Mul Opretion  
value of:"+value+"</h1>");  
  
pw.println("<h1 style='color:green;'><a  
href='index.html'>Calculator</a></h1>");  
  
}  
  
else  
{  
  
String value="sorry wrong process";  
  
pw.println("<h1 style='color:red;'>No Opretion value  
of:"+value+"</h1>");  
  
pw.println("<h1 style='color:green;'><a  
href='index.html'>Calculator</a></h1>");  
  
}  
  
}
```

}

Web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance" xmlns="http://xmlns.jcp.org/xml/ns/javaee"
xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javae
e http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd"
id="WebApp_ID" version="3.1">

<display-name>Calculator</display-name>

<welcome-file-list>

<welcome-file>index.html</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>Calculator</servlet-name>

<servlet-class>com.mq.cal.Calculator</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>Calculator</servlet-name>

<url-pattern>/Calculator</url-pattern>

</servlet-mapping>

</web-app>
```

Index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

<link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.10.3/font/bootstrap-icons.css">

<h1 style="text-align:center; font-size: 30px; font-
family: 'Courier New', Courier,
monospace;">Calculator</h1>

</head>

<body>

<form action="Calculator" method="post"

style="width: 190px; height:150px; margin-left:
45%;background-color: aquamarine; border: 2px solid
rgb(25, 26, 25);">

<input type="text" name="num1" placeholder="Enter
Value First" style="margin-top: 10px;" ><br><br>

<input type="tex" name="num2" placeholder="Enter
Value Second"><br><br>

<input type="text" name="op" placeholder="Enter Value
Opretion"><br><br>
```

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

```
<input type="reset" value="reset">
```

```
</form>
```

```
</body>
```

```
</html>
```