**Expt 10. Calculator**

1. **Link to follow**

<https://www.youtube.com/watch?v=Ufl9NOuC4ME>

1. **Create dynamic web project**
2. **Create 2 files in it**
   1. **Index.html**
   2. **Calculator.java**
3. **Index.html**

<!DOCTYPE html>

<html>

<head>

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

<title>Calculator</title>

</head>

<body>

<center>

<form method= *get* action=*Calculator*>

Enter first number <input type = *"text"* id=*"t1"* name=*"t1"*/><br/>

Enter second number<input type = *"text"* id=*"t2"* name=*"t2"*/><br/>

<input type = *"Submit"* value=*"+"* name=*"btn"*/>

<input type = *"Submit"* value=*"-"* name=*"btn"*/>

<input type = *"Submit"* value=*"\*"* name=*"btn"*/>

<input type = *"Submit"* value=*"/"* name=*"btn"*/>

</form>

</center>

</body>

</html>

1. **Calculator.java( SERVLET)**

package perform;

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;

@WebServlet("/Calculator")

public class Calculator extends HttpServlet {

private static final long serialVersionUID = 1L;

protected void doGet(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

response.setContentType("text/html");

PrintWriter out=null;

try {

out=response.getWriter();

out.println("<center>");

int a=Integer.parseInt(request.getParameter("t1"));

int b=Integer.parseInt(request.getParameter("t2"));

int c=0;

String op=request.getParameter("btn");

if(op.equals("+")) c=a+b;

if(op.equals("-")) c=a-b;

if(op.equals("\*")) c=a\*b;

if(op.equals("/")) c=a/b;

out.println("<h3>"+a+op+b+" = "+c+"</h3>");

}catch(Exception e) {

out.println("Error:"+e.getMessage());

}

finally {

out.println("<br>");

out.println("To go to main page <a href=index.html> Click HERE </a>");

out.println("</center>");

}

}

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

}

}

1. **Run index.html file on server**