**Writeup:**

Step 1: Create a project.

Step 2: Created a package named **proj1**.

Step 3: Created a class named **calculator.**

Step 4: Declared three variables Operator (**char type**), number1, number2 (**double type**).

Step 5: Declared input statements for the three variable **number1** , **operator**, **number2.**

Step 6: For the operation to be performed I have used switch statement, as we have to perform various operations **(+ , -, \*,/).**

Step 7: We have four operations to be performed so I have used four **case statements**.

Step 8: Run the program and give the inputs hence output will be displayed on the output console.

**Source Code:**

package proj1;

import java.util.Scanner;

public class calculator {

public static void main(String[]args) {

char operator;//declaring variables

double number1,number2;

Scanner input = new Scanner(System.in);

System.out.println("Enter number : ");//input 1

number1=input.nextDouble();

System.out.println("Enter operator (+,-,\*,/)");//select operator

operator=input.next().charAt(0);

System.out.println("Enter number: ");//input 2

number2=input.nextDouble();

input.close();

switch(operator) {

case '+':

System.out.println(number1+number2);

break;

case '-':

System.out.println(number1-number2);

break;

case '\*':

System.out.println(number1\*number2);

break;

case '/':

if(number2!=0) {

System.out.println(number1/number2);

break;

}else {

System.out.println("error");

}break;

default:

System.out.println("invalid operator used!!!");

}

}

}