**Program 1.java**

import java.util.Scanner;

class Calculator

{

public static void main(String args[])

{

char typeofoperation;

double a, b, result;

Scanner scan=new Scanner(System.in);

System.out.println("Choose an arithmatic operation +,-,\*,/");

typeofoperation=scan.next().charAt(0);

System.out.println("Enter the first number");

a=scan.nextDouble();

System.out.println("Enter the second number");

b=scan.nextDouble();

switch(typeofoperation)

{

case '+':

result=a+b;

System.out.println("Result is:" +result);

break;

case '-':

result=a-b;

System.out.println(result);

break;

case '\*':

result=a\*b;

System.out.println(result);

break;

case '/':

result=a/b;

System.out.println(result);

break;

default:

result=a+b;

System.out.println("Invalid");

break;

}

scan.close();

}

}