**Write a program to create an arithmetic calculator.**

**Soln.-**

**package** mycalculator;

**import** java.util.Scanner;

**public** **class** Calculator {

**public** **static** **void** main(String args[]){

**char** operator; // Declare char data type variable 'operator' to specify the arithmetic operation

**double** num1, num2; // Declare double data type variables 'num1 & num2' on which operation will be performed

Scanner sc = **new** Scanner(System.*in*);

System.*out*.println("Enter 1st Number : ");

num1 = sc.nextDouble();

System.*out*.print("Choose Operator One of Them (+,-,\*,/) : ");

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

System.*out*.println("Enter 2nd Number : ");

num2 = sc.nextDouble();

**switch**(operator){

**case** '+':

System.*out*.println(num1+" + "+num2+" = "+(num1+num2));

**break**;

**case** '-':

System.*out*.println(num1+" - "+num2+" = "+(num1-num2));

**break**;

**case** '\*':

System.*out*.println(num1+" \* "+num2+" = "+(num1\*num2));

**break**;

**case** '/':

System.*out*.println(num1+" / "+num2+" = "+(num1/num2));

**break**;

**default**:

System.*out*.println("You have entered Invalid Operator, Try Again");

**break**;

}

}

}

//output

/\*

Enter 1st Number :

34

Choose Operator One of Them (+,-,\*,/) : \*

Enter 2nd Number :

5

34.0 \* 5.0 = 170.0

\*/