**Program:** Arithmetic Calculator

**Source Code:**

**Project:** First-Project.java

**package** com.simplilearn.test;

**import** java.util.Scanner;

**public** **class** ArithmeticCalculator {

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

**double** num1,num2,result;

// create an object of Scanner class

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

//ask users to enter the number to choose operation

**int** num;

System.***out***.println("Enter the number for operation");

num=input.nextInt();

//ask users to enter numbers

System.***out***.println("Enter First number ");

num1=input.nextDouble();

System.***out***.println("Enter Second number ");

num2=input.nextDouble();

//closing of Scanner class

input.close();

//Using switch case to perform operations

**switch**(num) {

**case** 1:

// Performs Addition between numbers

result=num1+num2;

System.***out***.println("Addition is "+result);

**break**;

**case** 2:

// Performs Subtraction between numbers

result=num1-num2;

System.***out***.println("Subtraction is "+result);

**break**;

**case** 3:

// Performs Multiplication between numbers

result=num1\*num2;

System.***out***.println("Multiplication is "+result);

**break**;

**case** 4:

// Performs Division between numbers

**if**(num2 !=0)

{

result=num1/num2;

System.***out***.println("Division is "+result);

}

**else**

{

System.***out***.println("Division by Zero Situation");

}

**break**;

**default**:

//performs default

System.***out***.println("Invalid");

}

}

}