**package** com.accessmodifier.demo;

**import** java.util.Scanner;

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

**public** **void** addition(**double** input1,**double** input2) {

**double** result=input1+input2;

System.***out***.println("Addition of two numbers:"+result);

}

**public** **void** subtraction(**double** input1,**double** input2) {

**double** result=input1-input2;

System.***out***.println("Subtraction of two numbers:"+result);

}

**public** **void** multiplication(**double** input1,**double** input2) {

**double** result=input1\*input2;

System.***out***.println("Multiplication of two numbers:"+result);

}

**public** **void** division(**double** input1,**double** input2) {

**double** result=input1/input2;

System.***out***.println("Division of two numbers:"+result);

}

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

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

System.***out***.print("first number: ");

**double** input1= in.nextDouble();

System.***out***.print("Second number: ");

**double** input2=in.nextDouble();

ArithmeticCalculator obj = **new** ArithmeticCalculator();

System.***out***.println("1.Addition\n2.Subtraction\n3.Multiplication\n4.Division");

**int** option= in.nextInt();

**switch**(option){

**case** 1: obj.addition(input1, input2);

**break**;

**case** 2: obj.subtraction(input1, input2);

**break**;

**case** 3: obj.multiplication(input1, input2);

**break**;

**case** 4: obj.division(input1, input2);

**break**;

**default**: System.***out***.println("Invalid Option!");

**break**;

}

in.close();

}

}