

Source Code

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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();
}
}
```

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