

```
1 package com.accessmodifier.demo;
2
3 import java.util.Scanner;
4
5 public class ArithmeticCalculator {
6
7     public void addition(double input1, double input2) {
8         double result = input1 + input2;
9         System.out.println("Addition of two numbers: " + result);
10    }
11    public void subtraction(double input1, double input2) {
12        double result = input1 - input2;
13        System.out.println("Subtraction of two numbers: " + result);
14    }
15    public void multiplication(double input1, double input2) {
16        double result = input1 * input2;
17        System.out.println("Multiplication of two numbers: " + result);
18    }
19    public void division(double input1, double input2) {
20        double result = input1 / input2;
21        System.out.println("Division of two numbers: " + result);
22    }
23
24    public static void main(String[] args) {
25        Scanner in = new Scanner(System.in);
26
27        System.out.print("first number: ");
28        double input1 = in.nextDouble();
29        System.out.print("Second number: ");
30        double input2 = in.nextDouble();
31
32        ArithmeticCalculator obj = new ArithmeticCalculator();
33    }
```

Source code Screenshot 1



```
24    public static void main(String[] args) {
25        Scanner in = new Scanner(System.in);
26
27        System.out.print("first number: ");
28        double input1 = in.nextDouble();
29        System.out.print("Second number: ");
30        double input2 = in.nextDouble();
31
32        ArithmeticCalculator obj = new ArithmeticCalculator();
33
34        System.out.println("1.Addition\n2.Subtraction\n3.Multiplication\n4.Division");
35        int option = in.nextInt();
36        switch(option){
37            case 1: obj.addition(input1, input2);
38                break;
39
40            case 2: obj.subtraction(input1, input2);
41                break;
42
43            case 3: obj.multiplication(input1, input2);
44                break;
45
46            case 4: obj.division(input1, input2);
47                break;
48
49            default: System.out.println("Invalid Option!");
50                break;
51        }
52        in.close();
53    }
54
55 }
```

source code Screenshot 2

```
Problems @ Javadoc Declaration Console X
<terminated> ArithmeticCalculator [Java Application] C:\Users\Boobal
first number: 2.50
Second number: 3.10
1.Addition
2.Subtraction
3.Multiplication
4.Division
1
Addition of two numbers:5.6
```

Output (Addition)

```
Problems @ Javadoc Declaration Console X
<terminated> ArithmeticCalculator [Java Application] C:\Users\Boobal
first number: 30
Second number: 15.5
1.Addition
2.Subtraction
3.Multiplication
4.Division
2
Subtraction of two numbers:14.5
```

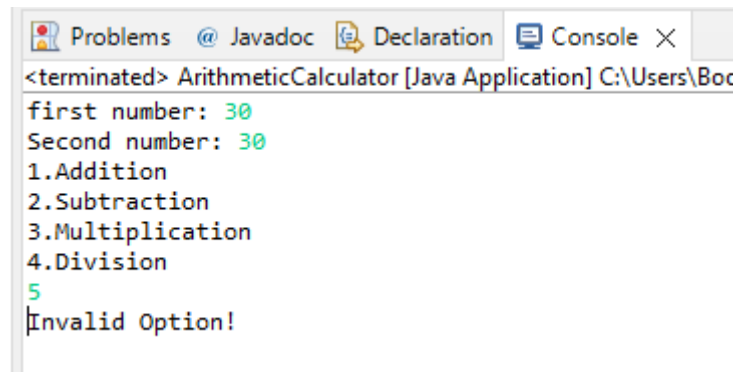
Output (Subtraction)

```
Problems @ Javadoc Declaration Console X
<terminated> ArithmeticCalculator [Java Application] C:\Users\Boobal
first number: 1.5
Second number: 2
1.Addition
2.Subtraction
3.Multiplication
4.Division
3
Multiplication of two numbers:3.0
```

Output (Multiplication)

```
Problems @ Javadoc Declaration Console X
<terminated> ArithmeticCalculator [Java Application] C:\Users\Boobal
first number: 30
Second number: 5
1.Addition
2.Subtraction
3.Multiplication
4.Division
4
Division of two numbers:6.0
```

Output (Division)



```
<terminated> ArithmeticCalculator [Java Application] C:\Users\Boc
first number: 30
Second number: 30
1.Addition
2.Subtraction
3.Multiplication
4.Division
5
Invalid Option!
```

Output (Invalid Option)