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Package Explorer ×

CalculatorApp4.java ×

```java
 1 package com.assignment4.calculator;
 2
 3 public class CalculatorApp4 {
 4
 5     public static double add(double num1, double num2) {
 6         return num1 + num2;
 7     }
 8
 9     public static double subtract(double num1, double num2) {
10         return num1 - num2;
11     }
12
13     public static double multiply(double num1, double num2) {
14         return num1 * num2;
15     }
16
17     public static double divide(double num1, double num2) {
18         if (num2 != 0) {
19             return num1 / num2;
20         } else {
21             throw new ArithmeticException("Division by zero is not allowed.");
22         }
23     }
24
25     public static void main(String[] args) {
26         if (args.length != 3) {
27             System.out.println("Usage: java CalculatorApp <number1> <number2> <operation>"
```

- Assignment4 [indium_javabootcamp-batch1 main]
  - JRE System Library [JavaSE-17]
  - src
    - com.assignment4.calculator
      - CalculatorApp4.java

Task List ×

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Outline ×

- com.assignment4.calculator
  - CalculatorApp4

Problems • Javadoc Declaration Console ×

<terminated> CalculatorApp4 [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (01-Sep-2023, 9:46:46 am – 9:46:46 am) [pid: 12064]
Result: 6.0

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CalculatorApp4.java ×

```java
24
25⊖    public static void main(String[] args) {
26         if (args.length != 3) {
27             System.out.println("Usage: java CalculatorApp <number1> <number2> <operation>"
28             return;
29         }
30
31         double num1 = Double.parseDouble(args[0]);
32         double num2 = Double.parseDouble(args[1]);
33         String operation = args[2];
34
35         double result = 0.0;
36
37         switch (operation) {
38             case "add":
39                 result = add(num1, num2);
40                 break;
41             case "sub":
42                 result = subtract(num1, num2);
43                 break;
44             case "mul":
45                 result = multiply(num1, num2);
46                 break;
47             case "div":
48                 try {
49                     result = divide(num1, num2);
50                 } catch (ArithmeticException e) {
```

Task List ×

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com.assignment4.calculator
CalculatorApp4

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   JRE System Library [JavaSE-17]
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CalculatorApp4.java ×

```java
        switch (operation) {
            case "add":
                result = add(num1, num2);
                break;
            case "sub":
                result = subtract(num1, num2);
                break;
            case "mul":
                result = multiply(num1, num2);
                break;
            case "div":
                try {
                    result = divide(num1, num2);
                } catch (ArithmeticException e) {
                    System.out.println("Error: " + e.getMessage());
                    return;
                }
                break;
            default:
                System.out.println("Invalid operation. Supported operations: add, sub, mul
                return;
        }

        System.out.println("Result: " + result);
    }
}
```

Task List ×

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- com.assignment4.calculator
  - CalculatorApp4

Problems Javadoc Declaration Console ×

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