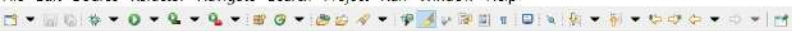


assignment2 - Assignment2/src/assignment2/CalculatorApp.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Package Explorer x

> Assignment2 [indium.javabootcamp-batch1 main]

> JRE System Library [JavaSE-17]

> src

> assignment2

> CalculatorApp.java

CalculatorApp.java x

```
1 package assignment2;
2
3 public class CalculatorApp {
4     public static void main(String[] args) {
5         if (args.length != 3) {
6             System.out.println("Usage: CalculatorApp <num1> <num2> <operator>");
7             System.exit(1);
8         }
9
10        double num1 = Double.parseDouble(args[0]);
11        double num2 = Double.parseDouble(args[1]);
12        String operator = args[2].toLowerCase();
13
14        char operatorSign = getOperatorSign(operator);
15        if (operatorSign == '\0') {
16            System.out.println("Error: Invalid operator");
17            System.exit(1);
18        }
19
20        double result = calculate(num1, operatorSign, num2);
21
22        if (Double.isNaN(result)) {
23            System.out.println("Error: Invalid operator or division by zero.");
24        } else {
25            System.out.println("Result: " + result);
26        }
27    }
28
29    public static char getOperatorSign(String operator) {
30        switch (operator) {
31            case "add":
```

Task List x

Find All Activate...

Connect Mylyn  
Connect to your task and ALM tools  
create a local task.

Outline x

assignment2  
CalculatorApp  
main(String[]) : void  
getOperatorSign(String) : char  
calculate(double, char, double)

Problems Javadoc Declaration Console x

<terminated> CalculatorApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (31-Aug-2023, 10:54:58 am - 10:54:59 am) [pid: 14216]

Writable

Smart Insert

61 : 43 : 1846

assignment2 - Assignment2/src/assignment2/CalculatorApp.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer ×  
> Assignment2 [indium.javabootcamp-batch1 main]  
> JRE System Library [JavaSE-17]  
> src  
> assignment2  
> CalculatorApp.java

```
CalculatorApp.java ×  
28  
29  
30 public static char getOperatorSign(String operator) {  
31     switch (operator) {  
32         case "add":  
33             return '+';  
34         case "subtract":  
35             return '-';  
36         case "multiply":  
37             return '*';  
38         case "divide":  
39             return '/';  
40         default:  
41             return '\0';  
42     }  
43 }  
44  
45 public static double calculate(double num1, char operator, double num2) {  
46     double result = 0.0;  
47  
48     switch (operator) {  
49         case '+':  
50             result = num1 + num2;  
51             break;  
52         case '-':  
53             result = num1 - num2;  
54             break;  
55         case '*':  
56             result = num1 * num2;  
57             break;  
58         case '/':  
59             if (num2 != 0) {
```

Task List ×  
Find  
All Activate...  
  
Connect Mylyn  
Connect to your task and ALM tools or  
create a local task.  
  
Outline ×  
assignment2  
CalculatorApp  
main(String[]) : void  
getOperatorSign(String) : char  
calculate(double, char, double) : d

Problems Javadoc Declaration Console ×

<terminated> CalculatorApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (31-Aug-2023, 11:03:51 am - 11:03:51 am) [pid: 12072]

Writable

Smart Insert

52 : 38 : 1566

assignment2 - Assignment2/src/assignment2/CalculatorApp.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer ×  
▼ Assignment2 [indium.javabootcamp-batch1 main]  
 JRE System Library [JavaSE-17]  
 ▼ src  
 assignment2  
 CalculatorApp.java

CalculatorApp.java ×  
40  
41  
42  
43  
44 public static double calculate(double num1, char operator, double num2) {  
45 double result = 0.0;  
46  
47 switch (operator) {  
48 case '+':  
49 result = num1 + num2;  
50 break;  
51 case '-':  
52 result = num1 - num2;  
53 break;  
54 case '\*':  
55 result = num1 \* num2;  
56 break;  
57 case '/':  
58 if (num2 != 0) {  
59 result = num1 / num2;  
60 } else {  
61 return Double.NaN; // division by zero  
62 }  
63 break;  
64 default:  
65 return Double.NaN; // invalid operator  
66 }  
67  
68 return result;  
69 }  
70 }

Task List ×  
Find  
All Activate...

Connect Mylyn  
Connect to your task and ALM tools  
create a local task.

Outline ×  
assignment2  
 CalculatorApp  
 main(String[]) : void  
 getOperatorSign(String) : char  
 calculate(double, char, double)

Problems × Javadoc Declaration Console ×

<terminated> CalculatorApp [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe (31-Aug-2023, 11:03:51 am – 11:03:51 am) [pid: 12072]

assignment2.CalculatorApp.java - Assignment2/src