

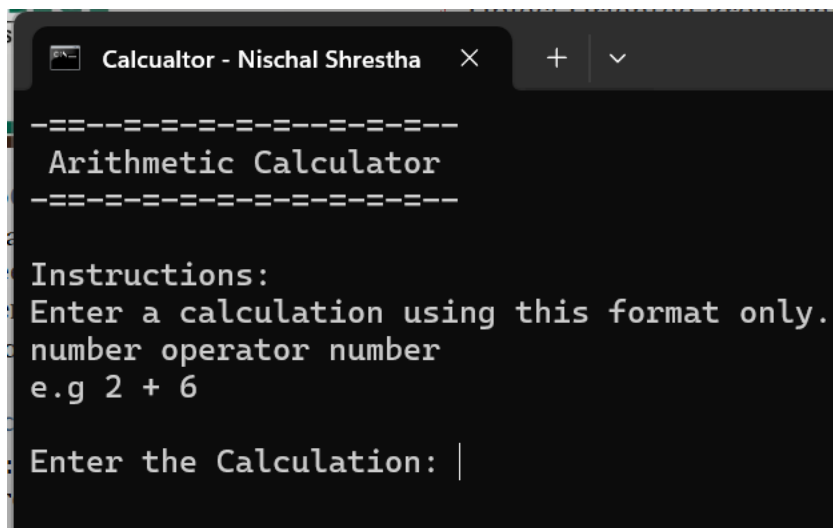
# Object Oriented Programming

Prof. Fred Stiebler

ICE-2

Nischal Shrestha Kasula

SS 1: The initial screen, which is what you see as soon as the app is open

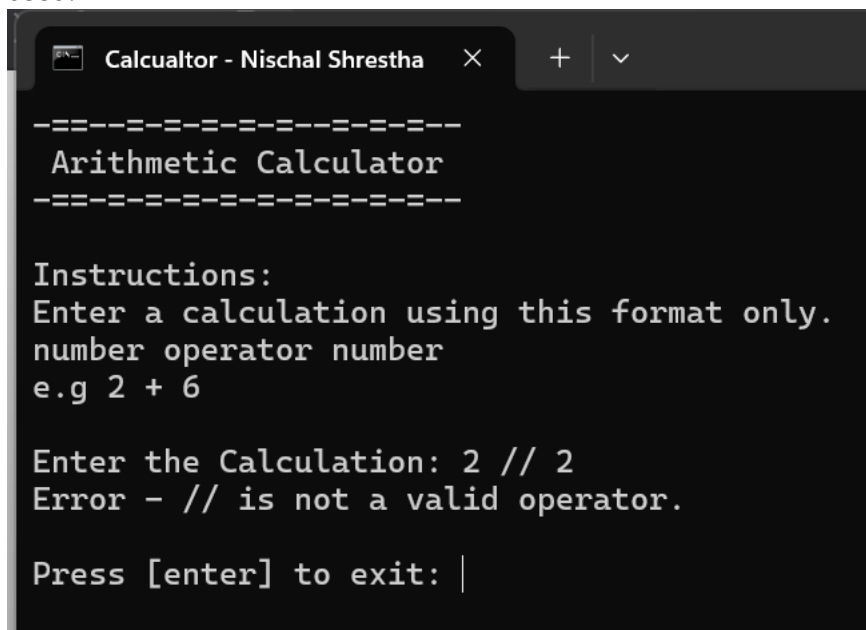


```
Calcualtor - Nischal Shrestha X + v
-----
Arithmetic Calculator
-----

Instructions:
Enter a calculation using this format only.
number operator number
e.g 2 + 6

Enter the Calculation: |
```

SS 2: Showing the error message and the exit prompt when anything else than '/', '\*', '+', '-' is used.



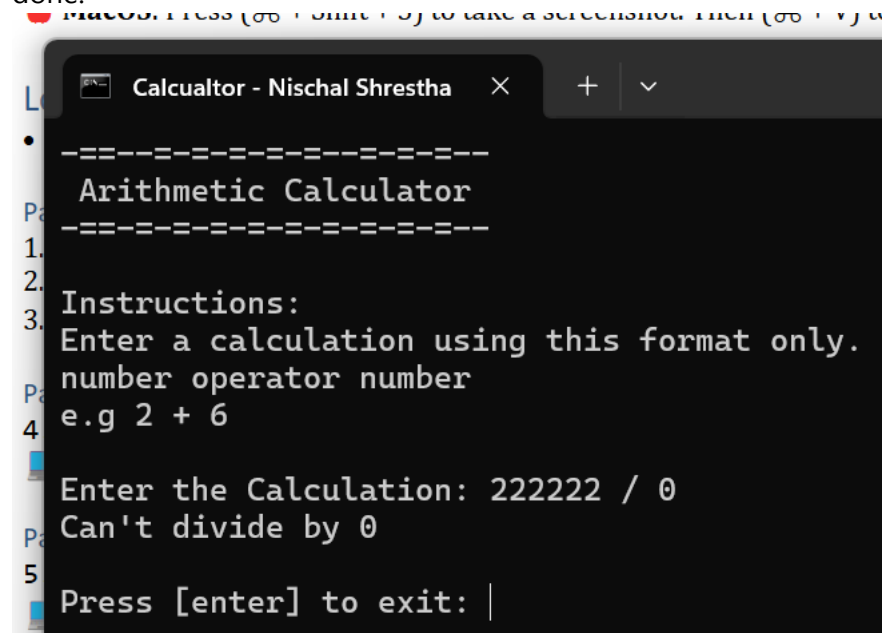
```
Calcualtor - Nischal Shrestha X + v
-----
Arithmetic Calculator
-----

Instructions:
Enter a calculation using this format only.
number operator number
e.g 2 + 6

Enter the Calculation: 2 // 2
Error - // is not a valid operator.

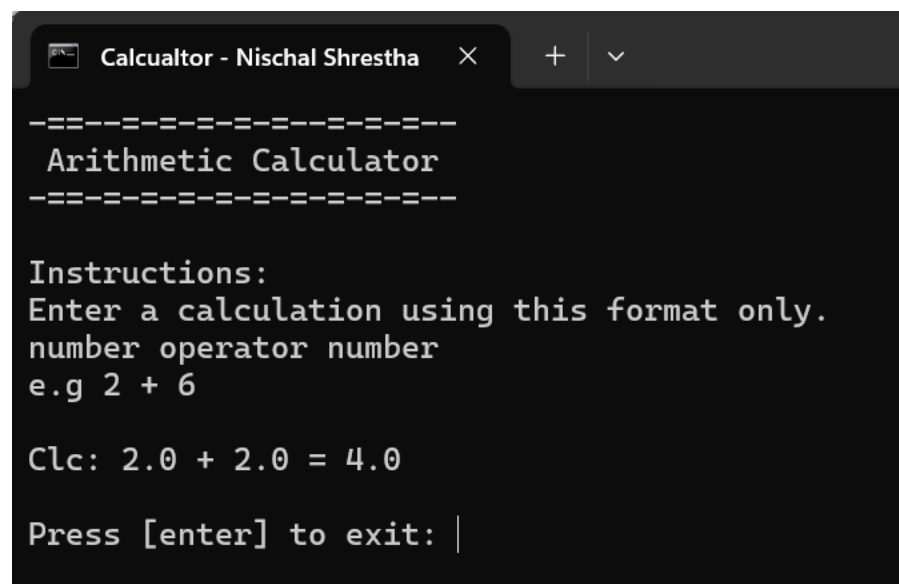
Press [enter] to exit: |
```

SS 3: Showing the error message and the exit prompt when a calculation with a division by 0 is done.



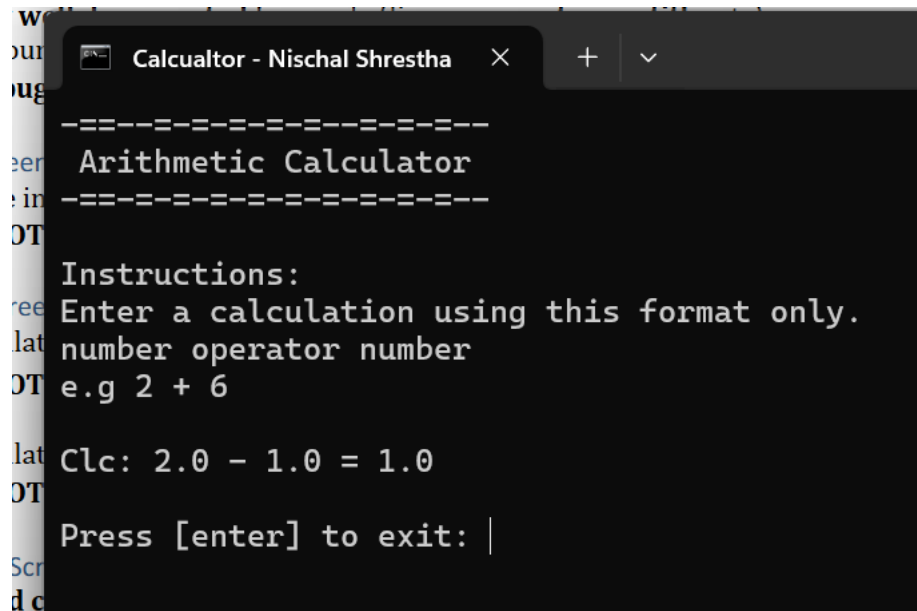
```
-----  
Arithmetic Calculator  
-----  
  
Instructions:  
Enter a calculation using this format only.  
number operator number  
e.g 2 + 6  
  
Enter the Calculation: 222222 / 0  
Can't divide by 0  
  
Press [enter] to exit: |
```

SS 4: Calculation showing addition of 2 numbers.



```
-----  
Arithmetic Calculator  
-----  
  
Instructions:  
Enter a calculation using this format only.  
number operator number  
e.g 2 + 6  
  
Clc: 2.0 + 2.0 = 4.0  
  
Press [enter] to exit: |
```

SS 5: Calculation showing subtraction of 2 numbers.



```
Calcualtor - Nischal Shrestha  X  +  v

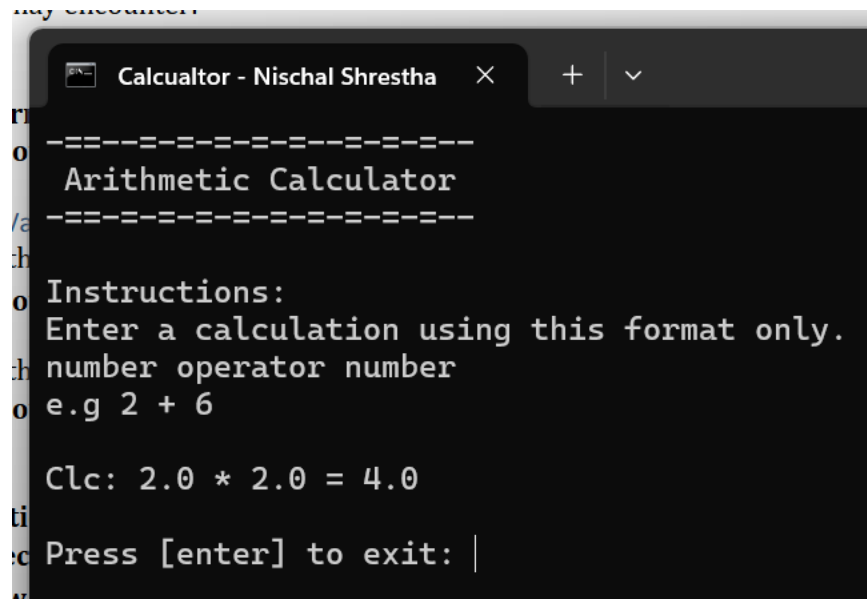
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Arithmetic Calculator
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Instructions:
Enter a calculation using this format only.
number operator number
e.g 2 + 6

Clc: 2.0 - 1.0 = 1.0

Press [enter] to exit: |
```

SS 6: Calculation showing multiplication of 2 numbers.



```
Calcualtor - Nischal Shrestha  X  +  v

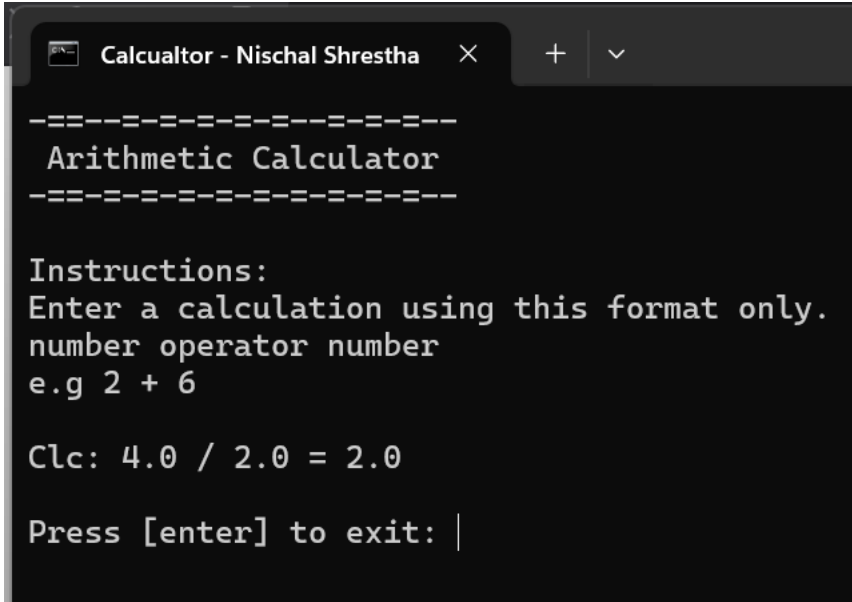
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Arithmetic Calculator
-----

Instructions:
Enter a calculation using this format only.
number operator number
e.g 2 + 6

Clc: 2.0 * 2.0 = 4.0

Press [enter] to exit: |
```

SS 7: Calculation showing division of 2 numbers.



```
Calcualtor - Nischal Shrestha X + v
-----
Arithmetic Calculator
-----

Instructions:
Enter a calculation using this format only.
number operator number
e.g 2 + 6

Clc: 4.0 / 2.0 = 2.0

Press [enter] to exit: |
```

? QUESTION 1 – In Java what does the arithmetic operator ++ do?  
- It **increments** a variable's value by **1**.

? QUESTION 2 – What is the difference between the switch and if statements?  
- Switch cases are used for multiple fixed cases whereas if statements are more flexible, allowing complex conditions, comparisons, and logical operations