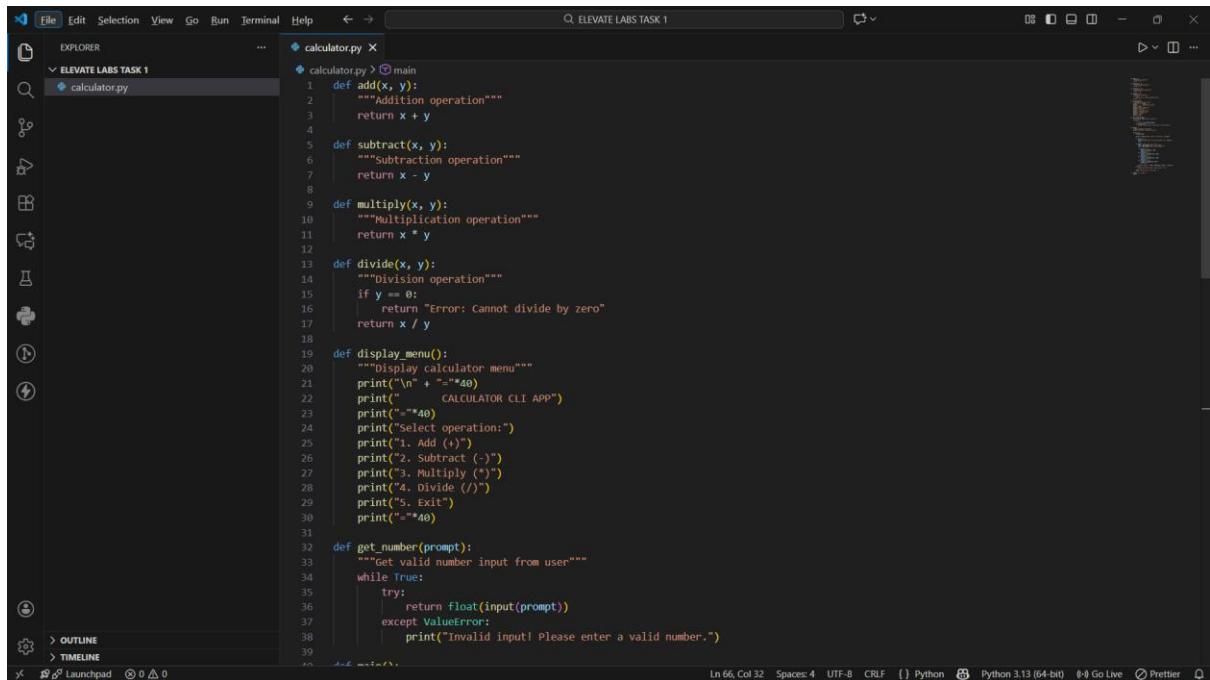
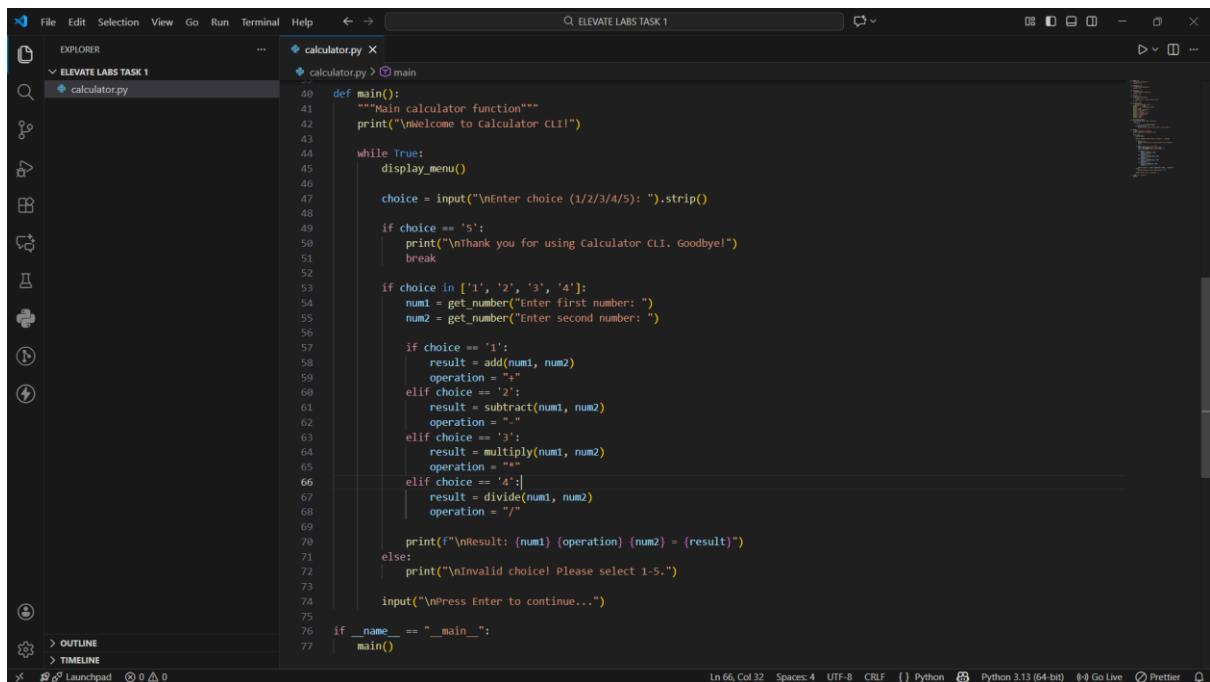


SCREENSHOTS



```
calculator.py > main
calculator.py > @main
1 def add(x, y):
2     """Addition operation"""
3     return x + y
4
5 def subtract(x, y):
6     """Subtraction operation"""
7     return x - y
8
9 def multiply(x, y):
10    """Multiplication operation"""
11    return x * y
12
13 def divide(x, y):
14    """Division operation"""
15    if y == 0:
16        return "Error: Cannot divide by zero"
17    return x / y
18
19 def display_menu():
20    """Display calculator menu"""
21    print("\n+ "+"*40)
22    print("      CALCULATOR CLI APP")
23    print("*40)
24    print("Select operation:")
25    print("1. Add (+)")
26    print("2. Subtract (-)")
27    print("3. Multiply (*)")
28    print("4. Divide (/)")
29    print("5. Exit")
30    print("*40)
31
32 def get_number(prompt):
33    """Get valid number input from user"""
34    while True:
35        try:
36            return float(input(prompt))
37        except ValueError:
38            print("Invalid input! Please enter a valid number.")
39
```



```
calculator.py > main
calculator.py > @main
40 def main():
41     """Main calculator function"""
42     print("\nWelcome to calculator CLI!")
43
44     while True:
45         display_menu()
46
47         choice = input("\nEnter choice (1/2/3/4/5): ").strip()
48
49         if choice == '5':
50             print("\nThank you for using calculator CLI. Goodbye!")
51             break
52
53         if choice in ['1', '2', '3', '4']:
54             num1 = get_number("Enter first number: ")
55             num2 = get_number("Enter second number: ")
56
57             if choice == '1':
58                 result = add(num1, num2)
59                 operation = "+"
60             elif choice == '2':
61                 result = subtract(num1, num2)
62                 operation = "-"
63             elif choice == '3':
64                 result = multiply(num1, num2)
65                 operation = "*"
66             elif choice == '4':
67                 result = divide(num1, num2)
68                 operation = "/"
69
70             print(f"\nResult: {num1} {operation} {num2} = {result}")
71         else:
72             print("\nInvalid choice! Please select 1-5.")
73
74         input("\nPress Enter to continue...")
75
76 if __name__ == "__main__":
77     main()
```

OUTPUT

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface with a dark theme. The terminal tab is active, displaying the output of a Python script named 'calculator.py'. The script is a command-line calculator that prompts the user for two numbers and an operation (Add, Subtract, Multiply, Divide, or Exit). The terminal shows two runs of the calculator, first adding 10 and 20, and then subtracting 20 from 30.

```
PS C:\Users\kunda\OneDrive\Desktop\ELEVATE LABS TASK 1> & C:\Users\kunda\AppData\Local\Programs\Python\Python313\python.exe "C:/Users/kunda/OneDrive/Desktop/ELEVATE LABS TASK 1/calculator.py"
Welcome to Calculator CLI!
=====
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====
Enter choice (1/2/3/4/5): 1
Enter first number: 10
Enter second number: 20
Result: 10.0 + 20.0 = 30.0
Press Enter to continue...
=====
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====
Enter choice (1/2/3/4/5): 2
Enter first number: 30
Enter second number: 20
Result: 30.0 - 20.0 = 10.0
Press Enter to continue...

```

This screenshot is identical to the one above, showing the same version of the 'calculator.py' script running in the terminal of VS Code. It displays the same two operations: addition of 10 and 20, and subtraction of 20 from 30.

```
PS C:\Users\kunda\OneDrive\Desktop\ELEVATE LABS TASK 1> & C:\Users\kunda\AppData\Local\Programs\Python\Python313\python.exe "C:/Users/kunda/OneDrive/Desktop/ELEVATE LABS TASK 1/calculator.py"
Welcome to Calculator CLI!
=====
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====
Enter choice (1/2/3/4/5): 1
Enter first number: 10
Enter second number: 20
Result: 10.0 + 20.0 = 30.0
Press Enter to continue...
=====
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====
Enter choice (1/2/3/4/5): 2
Enter first number: 30
Enter second number: 20
Result: 30.0 - 20.0 = 10.0
Press Enter to continue...

```

The screenshot shows the VS Code interface with the terminal tab selected. The terminal window displays the output of a command-line calculator application named 'calculator.py'. The application prompts the user to select an operation (Add, Subtract, Multiply, Divide, or Exit) and then asks for two numbers. It performs the calculation and outputs the result. The process is repeated three times, and finally, the user selects the 'Exit' option.

```
ELEVATE LABS TASK 1
calculator.py

CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
CALCULATOR CLI APP
=====
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====
3. Multiply (*)
4. Divide (/)
5. Exit
=====
4. Divide (/)
5. Exit
=====

Enter choice (1/2/3/4/5): 4
Enter first number: 50
Enter second number: 2
=====

Enter choice (1/2/3/4/5): 4
Enter first number: 50
Enter second number: 2
=====

Enter choice (1/2/3/4/5): 4
Enter first number: 50
Enter second number: 2
=====

Result: 50.0 / 2.0 = 25.0
Enter choice (1/2/3/4/5): 4
Enter first number: 50
Enter second number: 2
=====

Result: 50.0 / 2.0 = 25.0
Enter choice (1/2/3/4/5): 4
Enter first number: 50
Enter second number: 2
=====

Result: 50.0 / 2.0 = 25.0
Enter choice (1/2/3/4/5): 5
=====

Press Enter to continue...
Press Enter to continue...

CALCULATOR CLI APP
=====
CALCULATOR CLI APP
=====
CALCULATOR CLI APP
=====

Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====

Enter choice (1/2/3/4/5): 5
=====

Thank you for using Calculator CLI. Goodbye!
```

This screenshot shows the same VS Code interface with the terminal tab selected, displaying the continuation of the calculator application's execution. The application has completed its operations and now displays a 'Goodbye!' message before exiting.

```
ELEVATE LABS TASK 1
calculator.py

CALCULATOR CLI APP
=====
CALCULATOR CLI APP
=====
CALCULATOR CLI APP
=====

Select operation:
1. Add (+)
2. Subtract (-)
3. Multiply (*)
4. Divide (/)
5. Exit
=====

Enter choice (1/2/3/4/5): 5
=====

Thank you for using Calculator CLI. Goodbye!
PS C:\Users\kunda\OneDrive\Desktop\ELEVATE LABS TASK 1> [REDACTED]
```