Task 4 Project: Simple Command-Line Calculator Application in Python

Project Overview:

This project involves creating a simple command-line calculator application in Python that can perform basic arithmetic operations such as addition, subtraction, multiplication, and division.

Features:

1. Accepts two numbers from the user.

2. Offers options for addition, subtraction, multiplication, and division.

3. Displays the result of the operation.

4. Allows users to perform multiple calculations until they choose to exit.

Code Example:

```python
def add(x, y):
    return x + y


def subtract(x, y):
    return x - y


def multiply(x, y):
    return x * y


def divide(x, y):
    if y == 0:
        return 'Error! Division by zero.'
    return x / y


while True:
    print('\nSelect operation:')
    print('1. Add')
```

```python
print('2. Subtract')

print('3. Multiply')

print('4. Divide')

print('5. Exit')


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


if choice in ['1', '2', '3', '4']:

    num1 = float(input('Enter first number: '))

    num2 = float(input('Enter second number: '))


    if choice == '1':

        print(f'Result: {add(num1, num2)}')

    elif choice == '2':

        print(f'Result: {subtract(num1, num2)}')

    elif choice == '3':

        print(f'Result: {multiply(num1, num2)}')

    elif choice == '4':

        print(f'Result: {divide(num1, num2)}')


elif choice == '5':

    print('Exiting the calculator. Thank you!')

    break

else:

    print('Invalid input! Please choose a valid option.')
```