CodSoft Internship

Task 2: Simple Calculator using Arithmetic Operation

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Introduction:

 # In this project, I have created a simple calculator using Python.
 # It performs basic arithmetic operations like Addition, Subtraction, Multiplication, and Division.
 # The program is interactive and handles errors like division by zero.
 # This task helped me improve my understanding of functions, conditionals, and user input in Python.

Code:

```python
# Calculator using 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 x == 0:
        return "Error! Division by zero."
    else:
        return x / y
```

```python
else:
    print("Invalid input")
print("Select Operation:")
print("1. Addition")
print("2. Subtraction")
print("3. Multipliction")
print("4. Division")

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

num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))

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

if choice == '1':
    print("Result:", add(num1, num2))

elif choice == '2':
    print("Result:", subtract(num1, num2))

elif choice == '3':
    print("Result:", multiply(num1,num2))

elif choice == '4':
    print("Result:", divide(num1, num2))
```

Select Operation:
  1. *Addition*
  2. *Subtraction*
  3. *Multiplication*
  4. *Division*

Enter your choice(1/2/3/4):1
Enter first number:20
Enter second number:20
Result:40

Conclusion:

 # -> This project helped me understand how to build a basic calculator using Python.
 # -> It improved my knowledge of functions, conditionals, and user interaction.
 # -> This calculator can be improved further by adding more features in the future.