Assignment Week 2: Celebal Summer Intern

Create a simple calculator which can perform simple arithmetic operations like add, subtract, division, multiplication etc

**Simple Calculator Features:**

* Performs basic arithmetic operations: addition, subtraction, multiplication, division.
* Provides clear output for each operation with formatted results.
* Handles errors gracefully, such as division by zero.
* Includes a menu-driven interface for user interaction.

**How to Use:**

1. **Menu Display**: Start the program to see options for add, subtract, multiply, divide, and exit.
2. **Operation Selection**: Choose an operation by entering the corresponding number (e.g., 1 for add).
3. **Input Numbers**: Enter two numbers for the selected operation.
4. **Result Display**: See the result of the operation displayed clearly.
5. **Repeat or Exit**: Choose to perform another calculation or exit the progr

**Code:**

# Function to add two numbers

def add(x, y):

return x + y

# Function to subtract two numbers

def subtract(x, y):

return x - y

# Function to multiply two numbers

def multiply(x, y):

return x \* y

# Function to divide two numbers

def divide(x, y):

if y == 0:

return "Error! Division by zero."

else:

return x / y

# Main function to operate the calculator

def calculator():

print("Select operation:")

print("1. Add")

print("2. Subtract")

print("3. Multiply")

print("4. Divide")

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

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

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

if choice == '1':

print(num1, "+", num2, "=", add(num1, num2))

elif choice == '2':

print(num1, "-", num2, "=", subtract(num1, num2))

elif choice == '3':

print(num1, "\*", num2, "=", multiply(num1, num2))

elif choice == '4':

print(num1, "/", num2, "=", divide(num1, num2))

else:

print("Invalid input")

# Run the calculator function

calculator()

Output Results:



