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# -*- coding: utf-8 -*-
"""Untitled17.ipynb

Automatically generated by Colab.

Original file is located at
    https://colab.research.google.com/drive/1PTceVMy4sN0zSMwhQd3kdCCIg2dTBYTB
"""

# Davis_calculator.py

def add(numbers):
    return sum(numbers)

def subtract(numbers):
    result = numbers[0]
    for num in numbers[1:]:
        result -= num
    return result

def multiply(numbers):
    result = 1
    for num in numbers:
        result *= num
    return result

def divide(numbers):
    result = numbers[0]
    try:
        for num in numbers[1:]:
            result /= num
        return result
    except ZeroDivisionError:
        return "Error: Division by zero is not allowed."

while True:
    print("\n--- Calculator ---")
    print("Choose an operation: add, subtract, multiply, divide")
    operation = input("Enter operation: ").strip().lower()

    if operation not in ["add", "subtract", "multiply", "divide"]:
        print("Invalid operation. Try again.")
        continue

    try:
        count = int(input("How many numbers do you want to use? "))
        if count < 2:
            print("You must enter at least two numbers.")
            continue

        numbers = []
        for i in range(count):
            num = float(input(f"Enter number {i+1}: "))
            numbers.append(num)

        if operation == "add":
            result = add(numbers)
        elif operation == "subtract":
            result = subtract(numbers)

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elif operation == "multiply":
    result = multiply(numbers)
elif operation == "divide":
    result = divide(numbers)

print("Result:", result)

except ValueError:
    print("Invalid input. Please enter numbers only.")

again = input("Do you want to perform another calculation? (yes/no):
").strip().lower()
if again != "yes":
    print("Goodbye!")
    break
```