

D:\Code\Ostad Assignment\calculator.py

```
1 def addition(x, y):
2     return x + y
3
4 def subtraction(x, y):
5     return x - y
6
7 def multiplication(x, y):
8     return x * y
9
10 def division(x, y):
11     if y == 0:
12         return "Error: You cannot divide by Zero. Try again!"
13     else:
14         return x / y
15
16 def modulus(x, y):
17     if y == 0:
18         return "Error: You cannot calculate modulus by Zero. Try again!"
19     else:
20         return x % y
21
22 def calcu():
23     print("Select operation: \n1. Add \n2. Subtract \n3. Multiply \n4. Divide \n5. Modulus")
24
25     choice = input("Enter choice (1/2/3/4/5): ")
26
27     if choice in ("1", "2", "3", "4", "5"):
28         try:
29             num1 = float(input("Enter first number: "))
30             num2 = float(input("Enter second number: "))
31
32             if choice == "1":
33                 print(f"{num1} + {num2} = {addition(num1, num2)}")
34             elif choice == "2":
35                 print(f"{num1} - {num2} = {subtraction(num1, num2)}")
36             elif choice == "3":
37                 print(f"{num1} * {num2} = {multiplication(num1, num2)}")
38             elif choice == "4":
39                 print(f"{num1} / {num2} = {division(num1, num2)}")
40             elif choice == "5":
41                 print(f"{num1} % {num2} = {modulus(num1, num2)}")
42
43         except ValueError:
44             print("Error: Please enter valid numbers. Try again!")
45     else:
46         print("Invalid! Try again by choosing a number (1/2/3/4/5).")
47
48 calcu()
49
50 # MD. Habibul Basher
51 # Ostad : Assignment | Module 5 | 15th September
```