1.simple calculator

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):  
    return x / y  
def modulus(x,y):  
    return x % y  
def exponents(x,y):  
    return x \*\* y  
def floordivision(x,y):  
    return x // y  
  
print("Select operation.")  
print("1.Add")  
print("2.Subtract")  
print("3.Multiply")  
print("4.Divide")  
print("5.modulus")  
print("6.exponents")  
print("7.floor division")  
  
while True:  
        choice = input("Enter choice(1/2/3/4/5/6/7): ")  
  
     
        if (choice in ('1', '2', '3', '4','5','6','7')):  
            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))  
        elif choice == '5':  
            print(num1, "%", num2, "=", modulus(num1, num2))  
        elif choice == '6':  
            print(num1, "\*\*", num2, "=", exponents(num1, num2))  
        elif choice == '7':  
            print(num1, "//", num2, "=", floordivision(num1, num2))      
        else:  
            print('invalid choice')