def prompt\_menu():

    a = float(input("Enter the first number: "))

    b = float(input("Enter the second number: "))

    print("""

Choose an operation from the list :

1. Addition

2. Subtraction

3. Multiplication

4. Exponentiation

5. Division

6. Division with remainder

    """)

    opt = int(input("Enter the choice number: "))

    return a, b, opt

def calculate():

    a, b, opt = prompt\_menu()

    if opt == 1:

        print("Sum : {} + {} = {}".format(a,b,a+b))

    elif opt == 2:

        print("Difference : {} - {} = {}".format(a,b,a-b))

    elif opt == 3:

        print("Product : {} \* {} = {}".format(a,b,a\*b))

    elif opt == 4:

        print("Power : {}^{} = {}".format(a,b,a\*\*b))

    elif opt == 5:

        try:

            print("Quotient : {} / {} = {}".format(a,b,a/b))

        except:

            print("Division by 0 not possible")

    elif opt == 6:

        try:

            print("Division with remainder : {} / {} = {} Remainder : {}".format(a,b,a//b,a%b))

        except:

            print("Divsion by 0 not possible")

    else:

        print("No such choice")

    loop()

def loop():

    choice = input("Do you want to continue? (Y,N) : ")

    if choice.upper() == "Y":

        calculate()

    elif choice.upper() == "N":

        print("Good bye")

    else:

        print("Invalid input")

        loop()

calculate()