1. WAP using function to check whether two numbers are equal or not.

def eqaulityCheck(a,b):

    if a==b:

        print('EQUAL')

    else:

        print('NOT EQUAL')

eqaulityCheck(2,4)

🡺



2.WAP using function to swap two numbers.

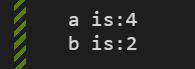
a=int(input())

b=int(input())

a,b=b,a

print("a is:{}\nb is:{}".format(a,b))

🡺



3.WAP using function to return average of it’s it’s arguments.

#WAP using function to return average of it’s it’s arguments.

def average(\*n):

    length=len(n)

    sums=0

    for i in n:

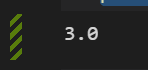
        sums+=i

    avg=sums/length

    return avg

print(average(2,4))

🡺



4.WAP using function to calculate the interest of a customer. Suppose if the customer is senior citizen he is offered 12% interest and for all others the interest rate is 10 pcpa.

#WAP using function to calculate the interest of a customer. Suppose if the customer is senior citizen he is offered 12% interest and for all others the interest rate is 10 pcpa.

def interest(age):

    if age > 50:

        return 12

    else:

        return 10

customerAge=int(input())

print("Interest applicable is:{}".format(interest(customerAge)))

🡺



#WAP using function to find GCD of two numbers.

def gcd(a,b):

    if(b==0):

        return a

    else:

        return gcd(b,a%b)

gcd(12,8)

🡺

4

#WAP  using function to find factorial of a number

num =int(input())

fact=1

for i in range(num,0,-1):

    fact\*=i

print(fact)

🡺

5



6. #WAP using function to find Fibonacci series using recursion and without using recursion.

num=int(input())

def fibonacci(num):

    num1=0

    num2=1

    series=0

    for i in range(0,num):

        print(series,end=' ')

        num1=num2

        num2=series

        series=num1+num2

fibonacci(num)

def fibonacci(number):

    if number == 0:

        return 0

    elif number == 1:

        return 1

    else:

        return fibonacci(number - 1) + fibonacci(number - 2)

