**PYTHON ASSIGNMENT- 2**

1. n=int(input("enter number"))

count=0

for j in range(0, n):

if n%2==0:

count+=1

if count<2:

print("prime")

else:

print("not a prime")

2. m=int(input())

n=int(input())

for i in range(m, n+1):

if i%2>0:

print(i)

3. a = int(input("Find prime numbers upto : "))

print("\nAll prime numbers upto", a, "are : ")

for num in range(2, a+ 1):

i = 2

for i in range(2, num):

if(num % i == 0):

i = num

break;

if(i != num):

print(num, end=" ")

4. n = int(input("How many terms? "))

n1, n2 = 0, 1

count = 0

if n<= 0:

print("Please enter a positive integer")

elif n== 1:

print("Fibonacci sequence upto",n,":")

print(n1)

else:

print("Fibonacci sequence:")

while count < n:

print(n1)

nth = n1 + n2

n1 = n2

n2 = nth

count += 1