# write a program, to test a given number is prime or not

num = 11 if num > 1:

for i in range(2, int(num/2)+1): if (num % i) == 0:

print(num, "is not a prime number") break

else:

print(num, "is a prime number")

else:

print(num, "is not a prime number")

# write a program, to generate a odd numbers from 1 to n using while loop

# num = int(input(" Please Enter the Maximum Value : "))

# number = 1

# while number <= num:

# if(number % 2 != 0):

# print("{0}".format(number))

# number = number + 1

# 3)write a Python program, to display prime numbers series upto given number

# lower\_value = int(input ("Please, Enter the Lowest Range Value: "))

# upper\_value = int(input ("Please, Enter the Upper Range Value: "))

# print ("The Prime Numbers in the range are: ")

# for number in range (lower\_value, upper\_value + 1):

# if number > 1:

# for i in range (2, number):

# if (number % i) == 0:

# break

# else:

# print (number)

# write a python program to generate fibonacci series

nterms = int(input("How many terms? "))

n1, n2 = 0, 1

count = 0

if nterms <= 0:

print("Please enter a positive integer")

elif nterms == 1:

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

print(n1)

else:

print("Fibonacci sequence:")

while count < nterms:

print(n1)

nth = n1 + n2

n1 = n2

n2 = nth

count += 1