# 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 m to n using while loop

m=int(input('Enter the number')) n=int(input('Enter the number')) while(n<=m):

if n%2!=0: print(n)

n+=1

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

upper = int(input())

for num in range(1, upper + 1): if num > 1:

for i in range(2, num): if (num % i) == 0:

break

else:

print(num)

# 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