**Python Programming**

1.Write a python program to test a given number is prime or not

num = int(input("Enter the number: "))

if num > 1:

for i in range(2, int(num/2)+1):

if (num % i) == 0:

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

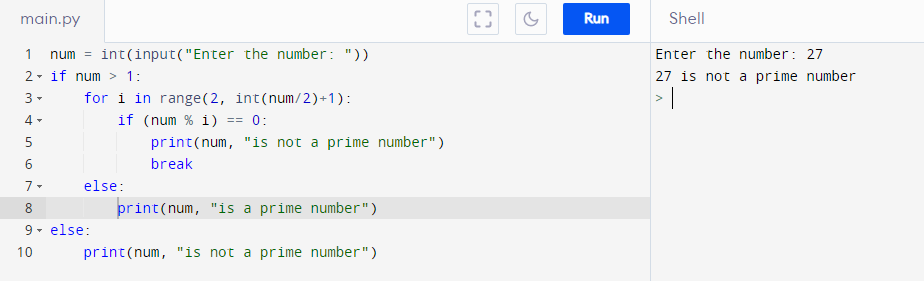
break

else:

print(num, "is a prime number")

else:

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



2.write a program to generate odd numbers from m to n using while loop.

minimum = int(input(" enter minimum value:"))

maximum = int(input(" enter maximum value: "))

X=1;

if (minimum < maximum):

while X in range(minimum,maximum + 1):

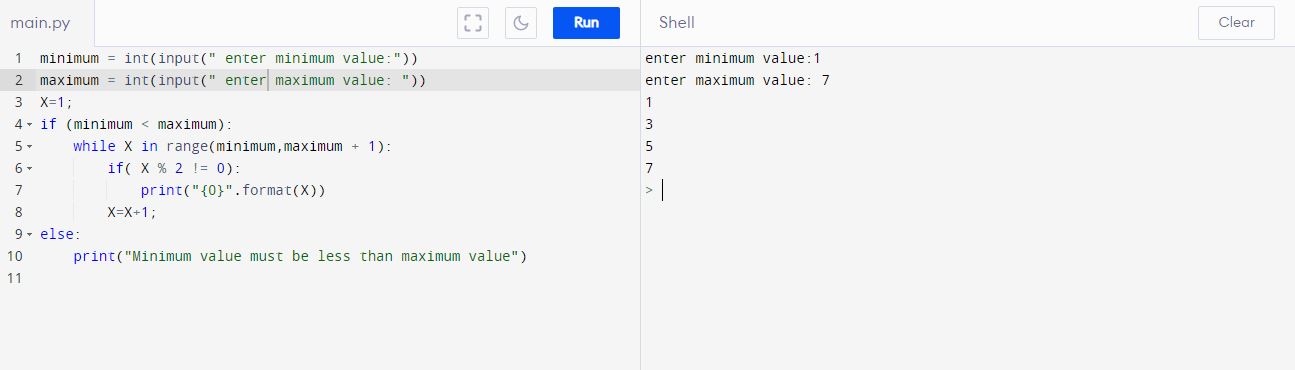
if( X % 2 != 0):

print("{0}".format(X))

X=X+1;

else:

print("Minimum value must be less than maximum value")



3.Write a python program to display prime number series upto a given number

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

number=1

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

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

if number > 1:

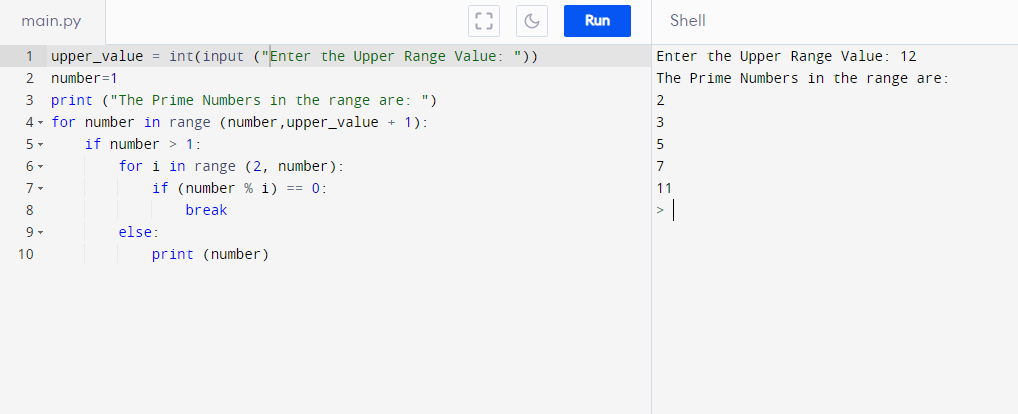
for i in range (2, number):

if (number % i) == 0:

break

else:

print (number)



4.Write a python program to generate Fibonacci series

n\_terms = int(input ("Enter the number: "))

n1 = 0

n2 = 1

count = 0

if n\_terms <= 0:

print ("Please enter a positive integer, the given number is Invalid")

elif n\_terms == 1:

print ("The Fibonacci sequence of the numbers up to", n\_terms, ": ") print(n1)

else:

print ("The fibonacci sequence of the numbers is:")

while count < n\_terms:

print(n1)

nth = n1 + n2 n1 = n2

n2 = nth

count += 1

