**Code :**

def recur(n):

if n <= 1:

return n

else:

return(recur(n-1) + recur(n-2))

def iterative(n):

a = 0

b = 1

print(a)

print(b)

for i in range(2, n):

print(a + b)

a, b = b, a + b

if \_\_name\_\_ == "\_\_main\_\_":

num = int(input("Enter the nth number for series: "))

if num <= 0:

print("Please enter a positive integer")

else:

print("Fibonacci sequence with recursion:")

for i in range(num):

print(recur(i))

print("Fibonacci series with Iteration:")

iterative(num)