**PARIKSHIT SHARMA**

**CSE IOT-1 G=A**

**19BCS4520\_GREUP 4**

**Q3 #Python Program to Display Fibonacci Sequence upto n Using Recursion**

**1 Algorithm**

Step1 function fibo is called until to get the output

Step2 When value of n is 0 and 1 then return the value of n

Step 3 if not then recursive call the (n-1) and(n-2)

Step4 print the output

Step 5 exit

**2 CODE**

def Fibo(n):

if n <= 1:

return n

else:

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

n= int(input("enter the number to check the Fibonacci sequence"))

if n<= 0:

print("enter the positive number")

else:

print("fibonacci sequence is:")

for i in range(n):

print(Fibo(i))

**3 Output**



