

EXPERIMENT NO 01-(C)

AIM: write the program for the following: (by using control statement and control structure)

(C) write a program to generate the Fibonacci series.

Theory:-

PRACTICAL IMPLEMENTATION:-

CODE:-

```
def fib(n):  
    a = 0  
    b = 1  
    if n == 1:  
        print(a)  
    else:  
        print(a)  
        print(b)  
        for i in range (3 , n):  
            c = a + b  
            a = b  
            b = c  
            print (c)  
fib(20)
```

OUTPUT:-

```
IDLE Shell 3.10.5
File Edit Shell Debug Options Window Help
Python 3.10.5 (tags/v3.10.5:f377153, Jun 6 2022, 16:14:13) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/Dell/OneDrive/Desktop/SYBSCIT_SEM III_04_Meenakshipandhari/PRACTICAL/1. PYTHON PRACTICAL/04_meenakshipandhari/Experiment no.1/txt/EXPERIMENT N
O.1.C.PY
3
5
8
13
21
34
55
89
144
233
377
610
987
1597
2584
4181
6765
10946
17711
28657
46368
75025
121393
196418
317811
514229
>>>
```

Ln: 31 Col: 0