

ADK

(Python Programming)

ROLL NO : 04

Aim: Write the program for the following: (by using control statements and control structure)

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

Theory: -

Practical Implementation:-

Code:-

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(Python Programming)

ROLL NO : 01

Aim: Write the program for the following: (by using control statements and control structure)

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

Theory: -

Practical Implementation:-

Code:-

```
# program to display the fibonacci sequence up to n-th term where n is provided
# change this value for a different result
nterms = 10

# uncomment to take input from the user
# nterms = int(input("how many terms?"))
# first two terms
n1=0
n2=1
count=2
# check if the number of terms is valid
```

```

if nterms<=0:

    print("please enter a positive integer:")

elif nterms==1:

    print("fibonnaci sequence upto",nterms,":")

    print(n1)

else:

    print("fibonnaci sequence upto",nterms,":")

    print(n1,"",n2,',')

    while count < nterms:

        nth = n1+n2

        print (nth, ' , ')

        # update values

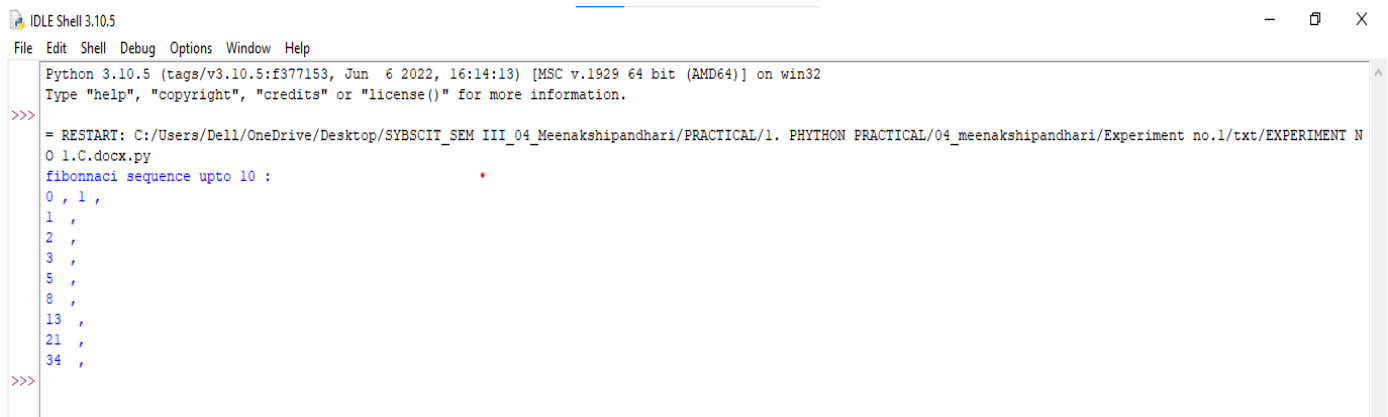
        n1 = n2

        n2 = nth

        count += 1

```

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. PHYTHON PRACTICAL/04_meenakshipandhari/Experiment no.1/txt/EXPERIMENT N
O 1.C.docx.py
fibonnaci sequence upto 10 :
0 , 1 ,
1 ,
2 ,
3 ,
5 ,
8 ,
13 ,
21 ,
34 ,
>>>

```