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:-

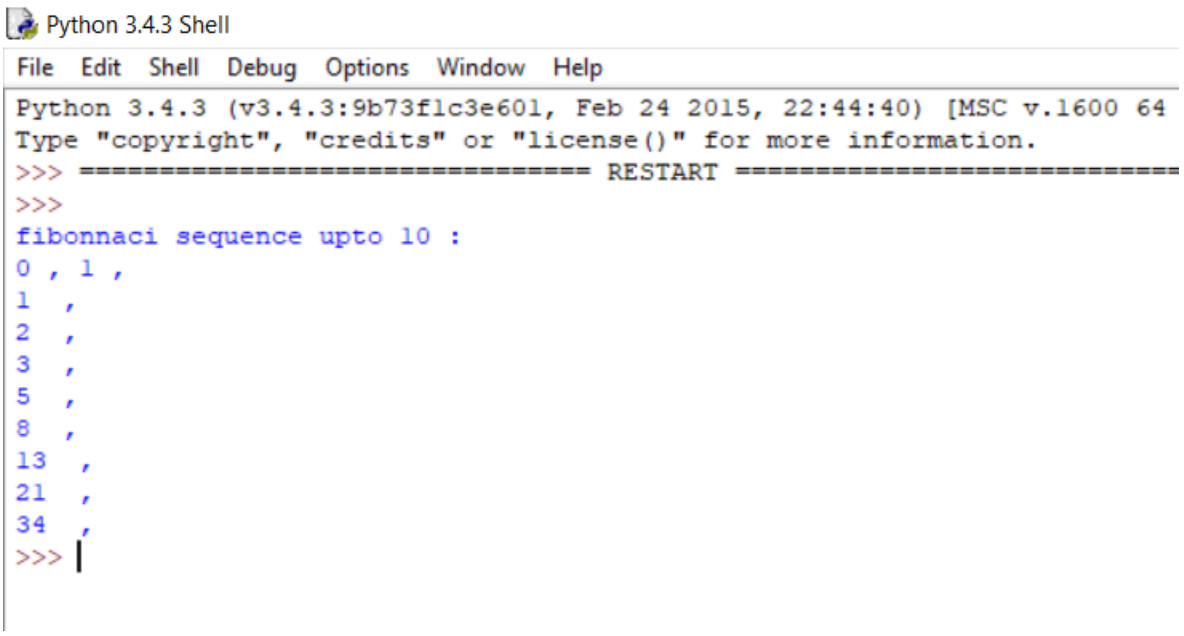
Code:-

```
# program tp 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:



Conclusion: