#Non-recursion

```
nterms = int(input("How many terms? "))
n1, n2 = 0, 1
count = 0
if nterms <= 0:
 print("Please enter a positive integer")
elif nterms == 1:
 print("Fibonacci sequence up to", nterms, ":")
 print(n1)
else:
 print("Fibonacci sequence:")
 while count < nterms:
  print(n1)
  nth = n1 + n2
  n1 = n2
  n2 = nth
  count += 1
```

#Recursion

```
def recur_fibo(n):
 if n <= 1:
  return n
 else:
  return recur_fibo(n - 1) + recur_fibo(n - 2)
nterms = 7
if nterms <= 0:
 print("Please enter a positive integer")
else:
 print("Fibonacci sequence:")
 for i in range(nterms):
  print(recur_fibo(i))
```