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In [1]: nterms = int(input("Enter number of terms "))

n1, n2 = 0, 1
count = 0

if nterms <= 0:
    print("Please enter a positive integer")

elif nterms == 1:
    print("Fibonacci sequence upto", nterms, ":")
    print(n1)

else:
    print("Fibonacci sequence:")
    while count < nterms:
        print(n1)
        nth = n1 + n2

        n1 = n2
        n2 = nth
        count += 1
```

```
Enter number of terms 5
Fibonacci sequence:
0
1
1
2
3
```

```
In [2]: def fibonacci(n):
        if(n <= 1):
            return n
        else:
            return(fibonacci(n-1) + fibonacci(n-2))
n = int(input("Enter number of terms:"))
print("Fibonacci sequence:")
for i in range(n):
    print(fibonacci(i))
```

```
Enter number of terms:4
Fibonacci sequence:
0
1
1
2
```

In []: