

OS PRCATICAL 1

```
def fibonacci(n):  
    a,b=0,1  
    result=[a]  
    for i in range(0,n):  
        a,b=b,a+b  
        if a<=n:  
            result.append(a)  
    return result  
  
n=int(input("Enter your number : "))  
print(fibonacci(n))
```

Output:



The screenshot shows a terminal window with a blue prompt character. The user has entered the number 8. The program has executed and printed the output [0, 1, 1, 2, 3, 5, 8]. The status bar at the bottom right indicates 'Ln: 41 Col: 0'.

```
> Enter your number : 8  
[0, 1, 1, 2, 3, 5, 8]  
Ln: 41 Col: 0
```