1. Write a program to print Fibonacci series using recursion

PROGRAM:

```
def Fibonacci(n):
    if n<=1:
        return n
    else:
        return Fibonacci(n-1)+Fibonacci(n-2)
Num=int(input("Enter the number:"))
if Num<=0:
    print("please Enter the positive number.")
else:
    print("Fibonacci series:")
    for i in range(0,Num+1):
        print(Fibonacci(i)," ",end="")
```

INPUT:

```
Enter the number:10
```

OUTPUT:

```
Fibonacci series:
0  1  1  2  3  5  8  13  21  34  55
```

TIME COMPLEXITY:

Time complexity of the above code is

f(n)=O(n)