

SEQUENCE EXPLORER

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Detail of project: I'm implementing this project by using python programming language

CODE:

```
sequence_explore.py +
1 def fib(n):
2     if (n==0 or n==1):
3         return n
4     return fib(n-1)+fib(n-2)
5 n=int(input())
6 print(fib(n))
```

Input and Output:

| STDIN |
|---------|
| 5 |
| Output: |
| 5 |

Explanation:

In this program, I have implemented the Sequence Explorer in which the function call itself repeatedly is called Recursion. To enter the number of terms and the print sequence explorer is nothing but number sequence generate where each number is the sum of the two numbers preceding ones, usually starting with 0 and 1. I have taken n as input from user and displayed the output the nth number of fibonacci series.

Conclusion:

Finally, I have got the desired output of the Sequence Explorer.

