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**Date:** 6<sup>th</sup> June 2024

**Submitted by:** Kandepi Akhilandeswari &22kq1a6310

**Details of project:** I'm implementing this project by using python programming

**Code:**

```
sequence explorer.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))
7 |
```

**Input& output:**

```
STDIN
5

Output:
5
```

**Explanation:** in this program I have implemented to the sequence explorer I have found the fibanocci . we should use the recursion to generate the fibanocci

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series and if  $n=1$  or  $0$  it will the same value other wise it will return  $\text{fib}(n-1)+\text{fib}(n-2)$ . This will be until repeatedly  $n$  value equal to given value

**Conclusion:** Finally I have got the desired output 5 for the fibanocci series by how to how fibanocci of 5 is 0 1 1 2 3 5 for the 5<sup>th</sup> term is 5 so we got the output