

<https://course.acciojob.com/idle?question=b9ab1535-75ae-4b9f-b6ca-a1ae2429d630>

● EASY

● Max Score: 30 Points

## Nth Even Fibonacci Number

Given a positive integer  $N$ , find the Nth Even Fibonacci number.

Fibonacci Series is a series of numbers in which each number ( Fibonacci number ) is the sum of the two preceding numbers. The simplest is the series 1, 1, 2, 3, 5, 8, etc.

Note:

- Since the answer could be very large, use `long` datatype in JAVA to store the answer. Similarly, use `long long` in C++.
- Return the answer in modulo  $10^9 + 7$

### Input Format

First line contains the positive integer  $N$ .

### Output Format

Return the required number.

### Example 1

Input

1

Output

2

Explanation

2 is the first even number in the Fibonacci series. (1 1 "2" 3 ....)

Example 2

Input

2

Output

8

Explanation

8 is the second even number in the fibonacci series. (1 1 2 3 5 "8")

Constraints

$1 \leq n \leq 20$

### Topic Tags

- **Recursion**

# My code

```
// n java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main
{
    static int fun(int n)
    {
```

```
        if(n==0) return 0;
        if(n==1) return 1;
        return (fun(n-1)+fun(n-2));
    }

    public static void main (String[] args) throws
java.lang.Exception
    {
        //your code here
        Scanner s= new Scanner(System.in);
        int n=s.nextInt();
        n=n*3;
        System.out.print(fun(n)) ;
    }
}
```