 <b>Marwadi</b> University	<b>Marwadi University</b> <b>Faculty of Technology</b> <b>Department of Information and Communication Technology</b>	
<b>Sem : 4</b>	<b>Name : VEDANT BHARAD</b>	
<b>Day : 107</b>	<b>Date : 1/2/2023</b>	<b>Enrollment No: 92100133023</b>


## CP Club 365 Days Challenge

Programming language – C++

### Problem Statement

<https://www.interviewbit.com/problems/stairs/>

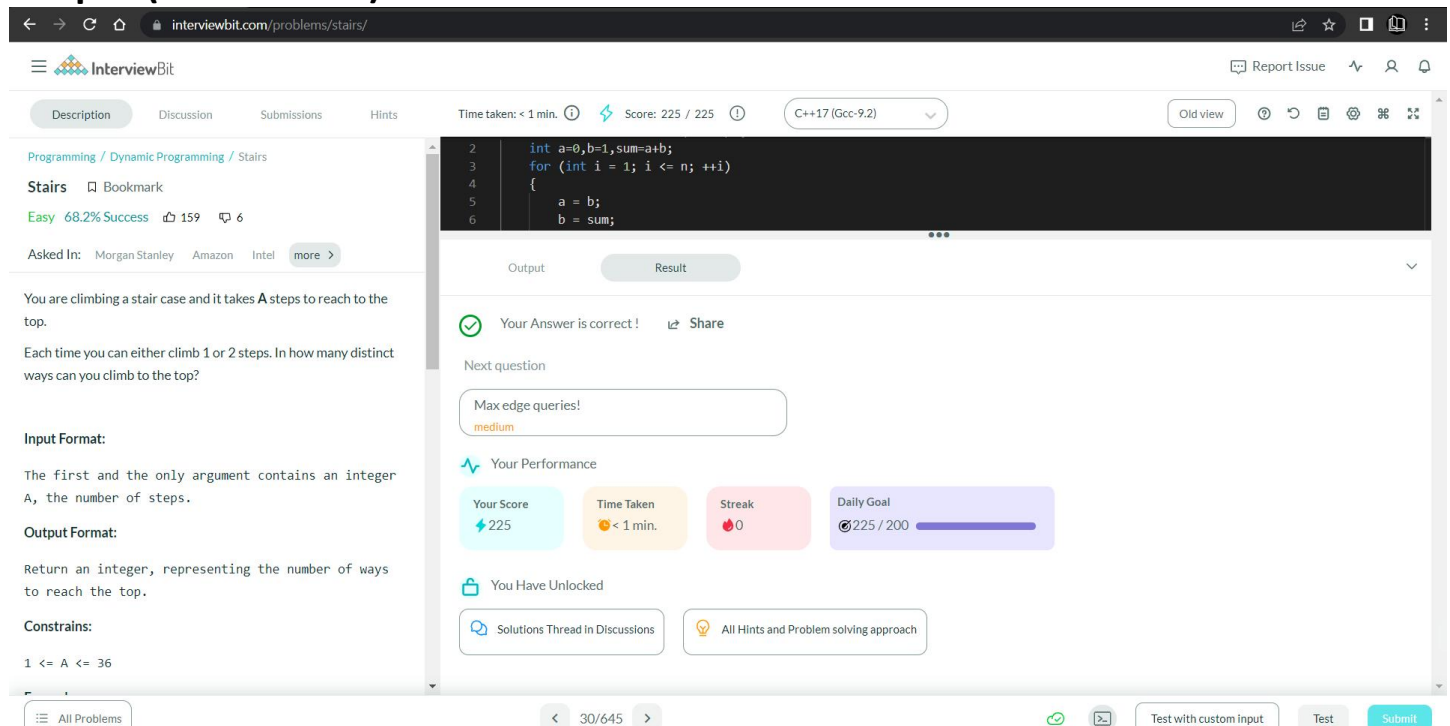
Git :- [https://github.com/Vedantbharad2603/CP\\_club\\_365\\_Days](https://github.com/Vedantbharad2603/CP_club_365_Days)

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## Your Code:

```
// 0x107Day of 0x365Days challenge
// VEDANT BHARAD
// 1-2-2023
#include <iostream>
using namespace std;
int stairs(int n)
{
    int a=0,b=1,sum=a+b;
    for (int i = 1; i <= n; ++i)
    {
        a = b;
        b = sum;
        sum = a + b;
    }
    return b;
}
int main() {
    int t;
    cin >> t;
    while(t--) {
        int A;
        cin >> A;
        cout<<stairs(A)<<endl;
    }
    return 0;
}
```

## Output (Screen Shot):



The screenshot shows the InterviewBit website interface for the 'Stairs' problem. The problem description states: 'You are climbing a stair case and it takes A steps to reach to the top. Each time you can either climb 1 or 2 steps. In how many distinct ways can you climb to the top?'. The input format is an integer A, and the output format is an integer representing the number of ways. The constraints are 1 ≤ A ≤ 36. The user's submission is shown with a score of 225 / 225, time taken < 1 min, and a streak of 0. The user's code is displayed in a dark-themed editor, and the output shows 'Your Answer is correct!'. The page also includes a performance summary with score 225, time taken < 1 min, and a streak of 0.

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### Understanding about problem:

- In this task I need to find ways to climb the stairs for A number of stairs so just return A+2th number of fibonacci series.

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**

Team CP Club