**Print first n Fibonacci Numbers: -**

Basic Accuracy: 29.92% Submissions: 173K+ Points: 1

Given a number **N,** find the first N Fibonacci numbers. The first two number of the series are 1 and 1.

**Example 1:**

**Input:**

N = 5

**Output:** 1 1 2 3 5

**Example 2:**

**Input:**

N = 7

**Output:** 1 1 2 3 5 8 13

**Your Task:**  
Your task is to complete **printFibb()**which takes single argument N and returns a list of first N Fibonacci numbers.

**Expected Time Complexity:**O(N).  
**Expected Auxiliary Space:**O(N).  
**Note:**This space is used to store and return the answer for printing purpose.

**Constraints:**  
1<= N <=84

**Code: -**

//{ Driver Code Starts

//Initial function template for C++

#include <bits/stdc++.h>

using namespace std;

// } Driver Code Ends

//User function template for C++

class Solution{

public:

//Function to return list containing first n fibonacci numbers.

vector<long long> printFibb(int n){

vector<long long> ans;

ans.push\_back(1);

if(n == 1) return ans;

ans.push\_back(1);

if(n == 2) return ans;

long long a = 1, b = 1, count = 2, sum;

while(++count <= n){

sum = a + b;

ans.push\_back(sum);

a = b;

b = sum;

}

return ans;

}

};

//{ Driver Code Starts.

int main()

{

//taking total testcases

int t;

cin>>t;

while(t--)

{

//taking number of elements

int n;

cin>>n;

Solution obj;

//calling function printFibb()

vector<long long> ans = obj.printFibb(n);

//printing the elements of vector

for(long long i:ans)cout<<i<<' ';

cout<<endl;

}

return 0;

}

// } Driver Code Ends

**T.C: - O(N)**

**S.C: - O(N), including answer storage**