CP Club 365 Days Challenge

Programming language – C++

Problem Statement
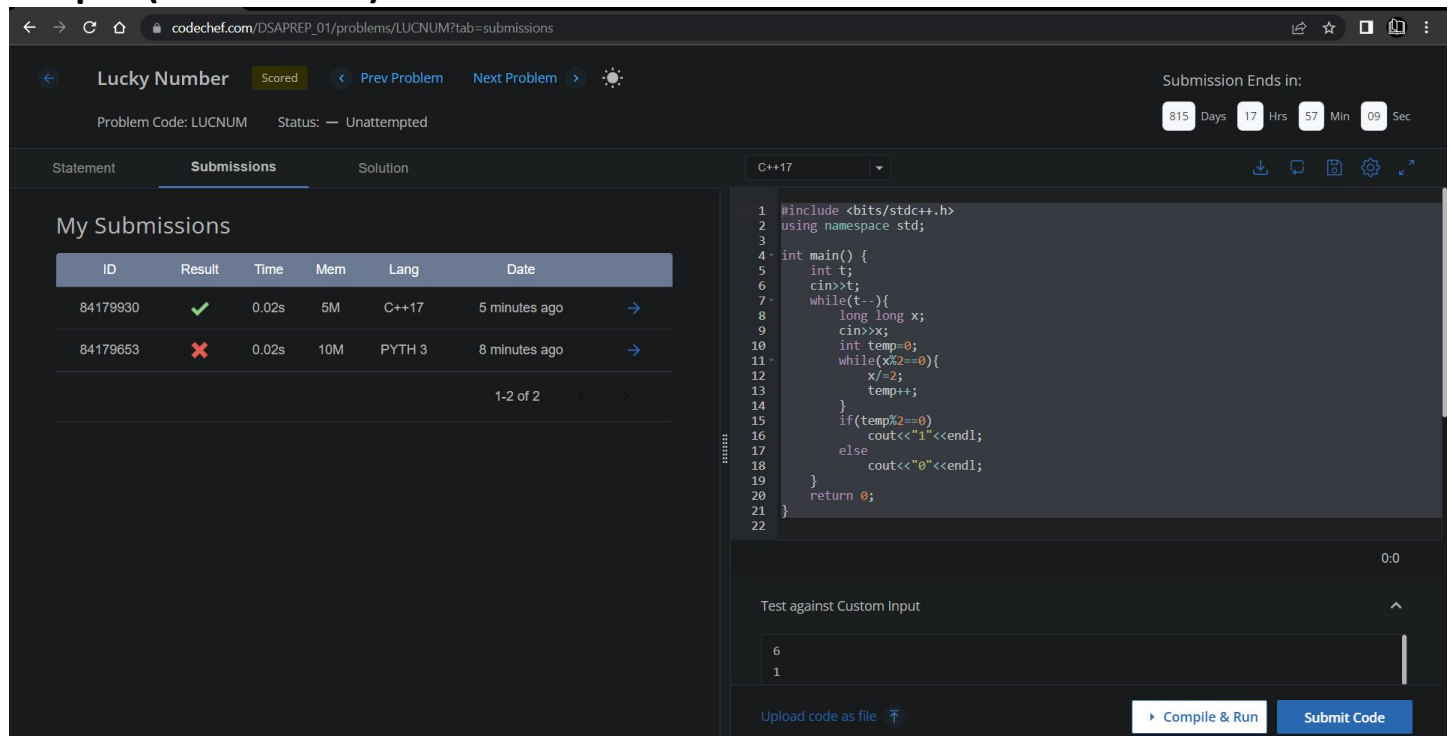
https://www.codechef.com/DSAPREP_01/problems/LUCNUM

![Marwadi University logo]	**Marwadi University**
	Faculty of Technology
	Department of Information and Communication Technology
Sem : 4	**Name : VEDANT BHARAD**	
Day : 78	**Date : 3/1/2023**	**Enrollment No: 92100133023**

Your Code:

```cpp
// 0x78Day of 0x365Days challenge
// VEDANT BHARAD
// 3-1-2023
#include <bits/stdc++.h>
using namespace std;
int main() {
    int t;
    cin>>t;
    while(t--){
            long long x;
            cin>>x;
            int temp=0;
            while(x%2==0){
                x/=2;
                temp++;
            }
            if(temp%2==0)
                cout<<"1"<<endl;
            else
                cout<<"0"<<endl;
    }
    return 0;
}
```

Output (Screen Shot):

Understanding about problem:

- In this task I need to return 0 or 1 based on one logic prime factorization, if it has an even power of 2 in prime factorization then return 1 else return 0.

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