
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 50	Date : 06/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Programming language – c++


Problem Statement

<https://www.hackerrank.com/challenges/lonely-integer/problem?isFullScreen=true>

 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 50	Date : 06/12/2022	Enrollment No: 92100133023

Your Code:

```
// 0x50Day of 0x365Days challenge
// VEDANT BHARAD
// 06-12-2022
#include <bits/stdc++.h>
using namespace std;
string ltrim(const string &);
string rtrim(const string &);
vector<string> split(const string &);
int lonelyinteger(vector<int> a)
{
    int answer = 0;
    for(int loop = 0; loop < a.size(); loop++)
    {
        answer^=a[loop];
    }
    return answer;
}
int main()
{
    ofstream fout(getenv("OUTPUT_PATH"));
    string n_temp;
    getline(cin, n_temp);
    int n = stoi(ltrim(rtrim(n_temp)));
    string a_temp_temp;
    getline(cin, a_temp_temp);
    vector<string> a_temp = split(rtrim(a_temp_temp));
    vector<int> a(n);
    for (int i = 0; i < n; i++) {
        int a_item = stoi(a_temp[i]);
        a[i] = a_item;
    }
    int result = lonelyinteger(a);
    // fout << result << "\n";
    cout << result << "\n";
    fout.close();
    return 0;
}
string ltrim(const string &str) {
    string s(str);
    s.erase(
        s.begin(),
        find_if(s.begin(), s.end(), not1(ptr_fun<int, int>(isspace)))
    );
    return s;
}
string rtrim(const string &str) {
    string s(str);
    s.erase(
        find_if(s.rbegin(), s.rend(), not1(ptr_fun<int, int>(isspace))).base(),
        s.end()
    );
    return s;
}
```

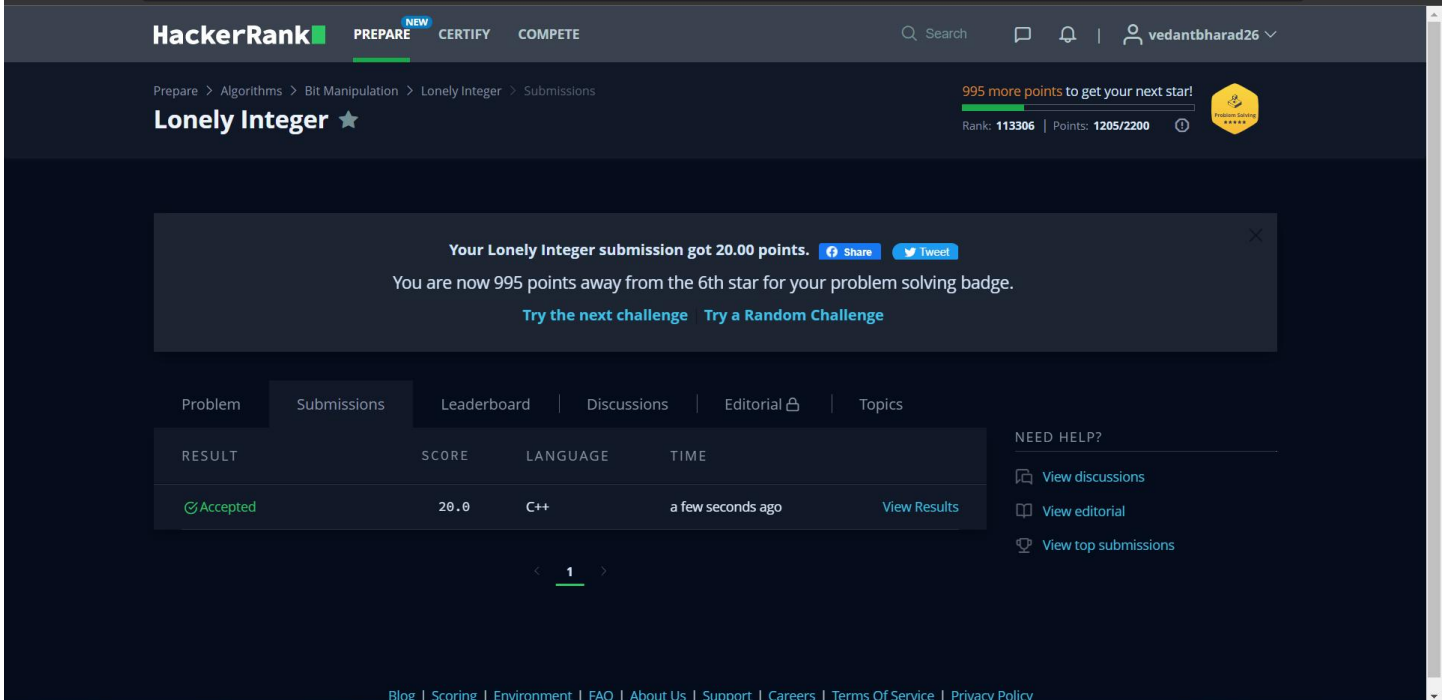
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 50	Date : 06/12/2022	Enrollment No: 92100133023

```

}
vector<string> split(const string &str) {
    vector<string> tokens;
    string::size_type start = 0;
    string::size_type end = 0;
    while ((end = str.find(" ", start)) != string::npos) {
        tokens.push_back(str.substr(start, end - start));
        start = end + 1;
    }
    tokens.push_back(str.substr(start));
    return tokens;
}

```

Output (Screen Shot):



HackerRank PREPARE NEW CERTIFY COMPETE

Search | vedantbharad26

Prepare > Algorithms > Bit Manipulation > Lonely Integer > Submissions

Lonely Integer ★

995 more points to get your next star!
Rank: 113306 | Points: 1205/2200

Your Lonely Integer submission got 20.00 points. [Share](#) [Tweet](#)

You are now 995 points away from the 6th star for your problem solving badge.

[Try the next challenge](#) [Try a Random Challenge](#)

Problem | Submissions | Leaderboard | Discussions | Editorial | Topics

RESULT	SCORE	LANGUAGE	TIME	
Accepted	20.0	C++	a few seconds ago	View Results

NEED HELP?
[View discussions](#)
[View editorial](#)
[View top submissions](#)

< 1 >

[Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#)

Understanding about problem:

- In this task I need to return number which is unique in the given array.
- Here I used xor operation so it will return unique number from array.

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