CP Club 365Days Challenge

<div align="right">

Date – 02/12/2022
Programming language – C++

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Problem Statement
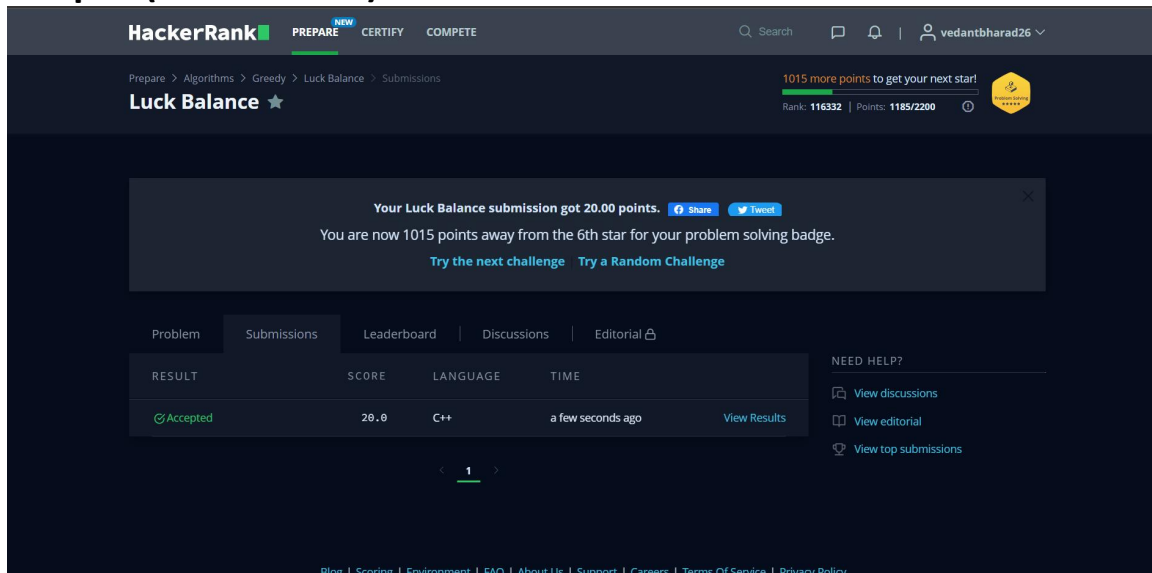
https://www.hackerrank.com/challenges/luck-balance/problem?isFullScreen=true

	Marwadi University	
	Faculty of Technology	
	Department of Information and Communication Technology	
Sem : 3	**Name : VEDANT BHARAD**	
Day : 46	**Date : 02/12/2022**	**Enrollment No: 92100133023**

Your Code:

```cpp
// 0x46Day of 0x365Days challenge
// VEDANT BHARAD
// 02-12-2022
#include <bits/stdc++.h>
using namespace std;
int main() {
    int n, k;
    cin >> n >> k;
    int ans = 0;
    vector<int> a;
    for (int i = 0; i < n; i++) {
        int x, tp;
        cin >> x >> tp;
        if (tp == 0) { // if the importance is 0 then direct add the luck to ans
            ans += x;
        }
        else {
            a.push_back(x);
        }
    }
    sort(a.begin(), a.end() );
    reverse(a.begin(), a.end() );
    for (int i = 0; i < min((int)a.size(), k); i++) {
        ans += a[i];
    }
    for (int i = k; i < a.size(); i++) {
        ans -= a[i];
    }
    cout << ans << endl;
    return 0;
}
```

Output (Screen Shot):

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Understanding about problem:

1. In this task there are three input first is length of array second is k value and at last array it self

2. in this task first I need to sort an array and then also convert in reverse it then from 0 to min value of array length and k in need to sum all value of array and then from kth value to length of array I need to subtract the value of array from that sum.

ALL THE BEST

Team CP Club