
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 48	Date : 04/12/2022	Enrollment No: 92100133023

CP Club 365Days Challenge

Date – 04/12/2022
Programming language – C++

Problem Statement

[https://practice.geeksforgeeks.org/problems/maximize-toys0331/1?page=1&category\[\]=Greedy&sortBy=submissions](https://practice.geeksforgeeks.org/problems/maximize-toys0331/1?page=1&category[]=Greedy&sortBy=submissions)

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Your Code:

```
// 0x48Day of 0x365Days challenge
// VEDANT BHARAD
// 04-12-2022
//{ Driver Code Starts
//Initial Template for C++
#include <bits/stdc++.h>
using namespace std;
// } Driver Code Ends
//User function Template for C++

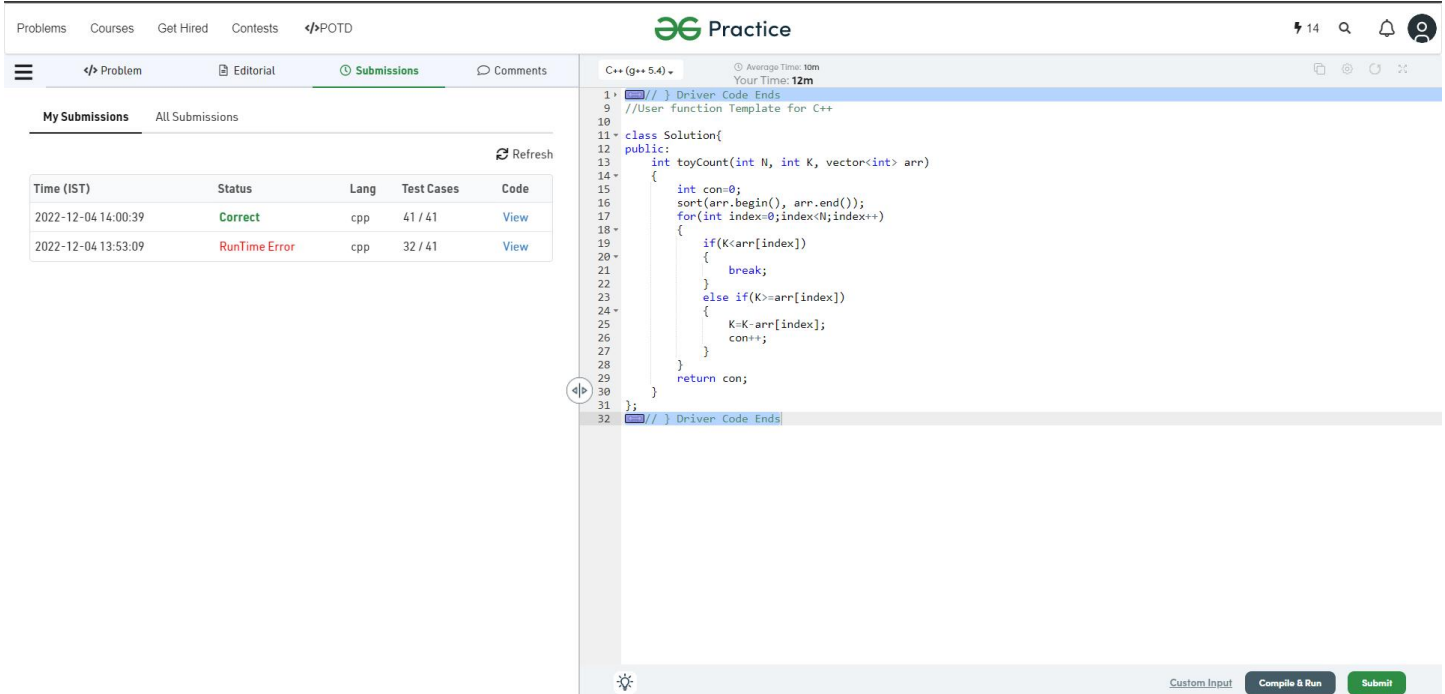
class Solution{
public:
    int toyCount(int N, int K, vector<int> arr)
    {
        int con=0;
        sort(arr.begin(), arr.end());
        for(int index=0;index<N;index++)
        {
            if(K<arr[index])
            {
                break;
            }
            else if(K>=arr[index])
            {
                K=K-arr[index];
                con++;
            }
        }
        return con;
    }
};

//{ Driver Code Starts.
int main(){
    int t;
    cin>>t;
    while(t--){
        int N, K;
        cin>>N>>K;
        vector<int> arr(N);
        for(int i = 0;i < N;i++)
            cin>>arr[i];

        Solution ob;
        cout<<ob.toyCount(N, K, arr)<<endl;
    }
    return 0;
}
// } Driver Code Ends
```

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Output (Screen Shot):



The screenshot shows a web interface for C++ practice. On the left, there's a 'My Submissions' table with two entries. The first entry is 'Correct' with a status of 'Correct' and 41/41 test cases passed. The second entry is 'RunTime Error' with a status of 'RunTime Error' and 32/41 test cases passed. On the right, there's a code editor showing a C++ solution for a problem. The code defines a class 'Solution' with a method 'toyCount' that takes an array 'arr' and a value 'K', sorts the array, and returns the count of elements less than or equal to 'K'.

Time (IST)	Status	Lang	Test Cases	Code
2022-12-04 14:00:39	Correct	cpp	41 / 41	View
2022-12-04 13:53:09	RunTime Error	cpp	32 / 41	View

```

1 // } Driver Code Ends
9 //User function Template for C++
10
11 class Solution{
12 public:
13     int toyCount(int N, int K, vector<int> arr)
14     {
15         int con=0;
16         sort(arr.begin(), arr.end());
17         for(int index=0;index<N;index++)
18         {
19             if(K<arr[index])
20             {
21                 break;
22             }
23             else if(K<=arr[index])
24             {
25                 K=K-arr[index];
26                 con++;
27             }
28         }
29         return con;
30     }
31 };
32 // } Driver Code Ends

```

Understanding about problem:

- In this task I need to return number which is count of toys can buy with K amount.

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