**DAILY ONLINE ACTIVITIES SUMMARY**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date:** | **17-06-2020** | | | | | **Name:** | **Ashwini** | |
| **Sem & Sec** | **6th  Sem ‘A’ Sec** | | | | | **USN:** | **4AL17CS017** | |
| **Online Test Summary** | | | | | | | | |
| **Subject** | | **C programming Quiz and python workshop quiz** | | | | | | |
| **Max. Marks** | | **--** | | **Score** | | | **--** | |
| **Certification Course Summary** | | | | | | | | |
| **Course** | **Workshop exercise solving** | | | | | | | |
| **Certificate Provider** | | | **--** | | **Duration** | | | **--** |
| **Coding Challenges** | | | | | | | | |
| **Problem Statement: 2 programs** | | | | | | | | |
| **Status: done** | | | | | | | | |
| **Uploaded the report in Github** | | | | | **yes** | | | |
| **If yes Repository name** | | | | | <https://github.com/ashwiniachar/online-report> | | | |
| **Uploaded the report in slack** | | | | | **yes** | | | |

**C PROGRAMMING:**

Refer the github link for example programs and exercise programs: <https://github.com/ashwiniachar/cprograms>

**PYTHON WORKSHOP:**

Refer the github link for example programs and exercise programs: <https://github.com/ashwiniachar/DAandMLworkshopPython>

**PROGRAMS:**

Given a sorted array (sorted in non-decreasing order) of positive numbers, find the smallest positive integer value that cannot be represented as sum of elements of any subset of given set  
Examples:

Input: arr[] = {1, 3, 6, 10, 11, 15};  
Output: 2  
There are no one or more elements to be added up to get sum = 2

#include <bits/stdc++.h>

using namespace std;

int findSmallest(int arr[], int n)

{

int res = 1;

for (int i = 0; i < n && arr[i] <= res; i++)

res = res + arr[i];

return res;

}

int main()

{

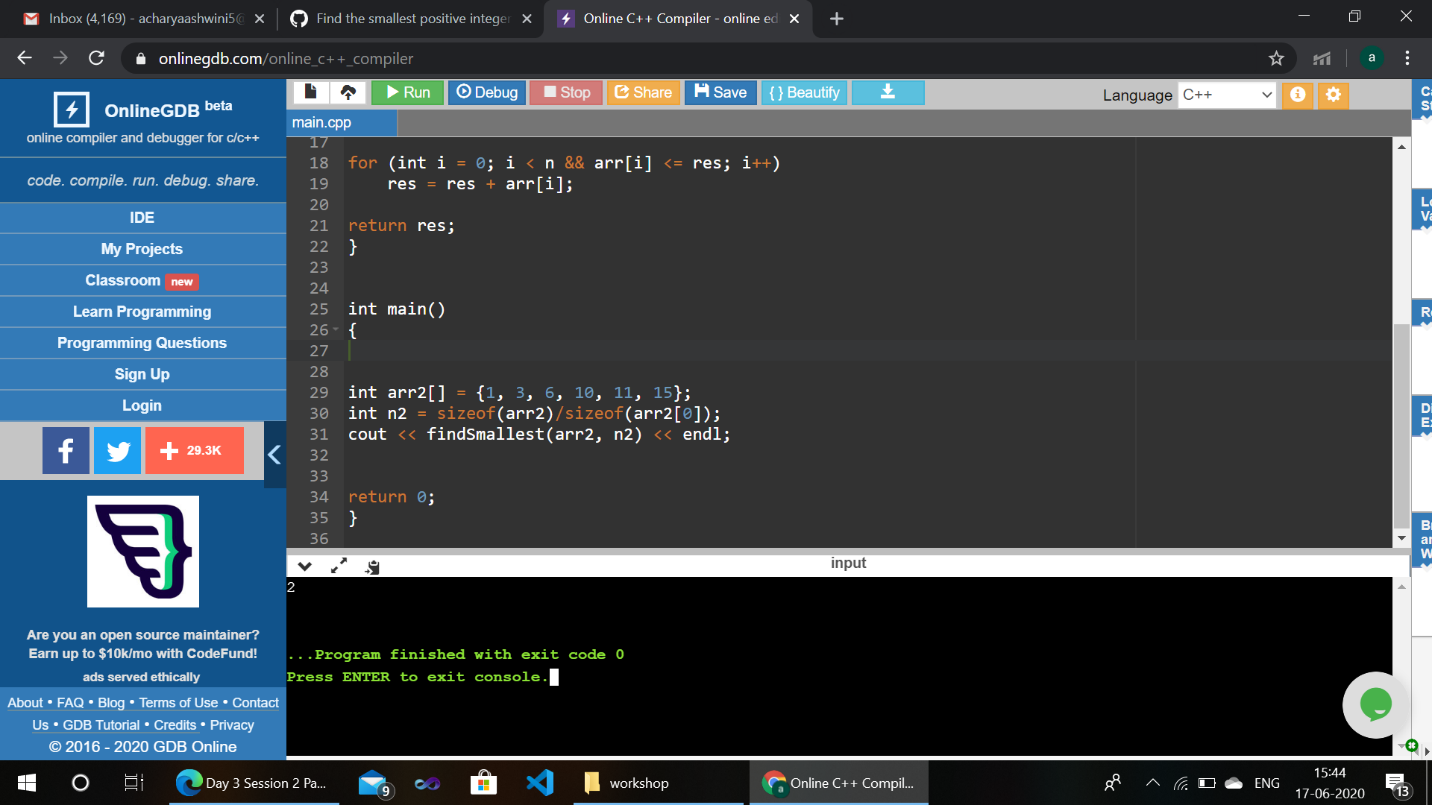
int arr2[] = {1, 3, 6, 10, 11, 15};

int n2 = sizeof(arr2)/sizeof(arr2[0]);

cout << findSmallest(arr2, n2) << endl;

return 0;

}

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