



OR

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☒ Female ☐ Male ☐ Other

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☒ Student ☐ Professional ☐ Other

Alvas Institute of Engineering & Technology



2020 ▼

C(gcc 6.3) ▼

☒ Send me newsletter & contest invitations.

☒ I abide by [CodeChef's Code Of Conduct](#).

Register

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B.H. Rashmi



Username: rashmi_2001

 Country:  India

State: Karnataka

City: Siddapur

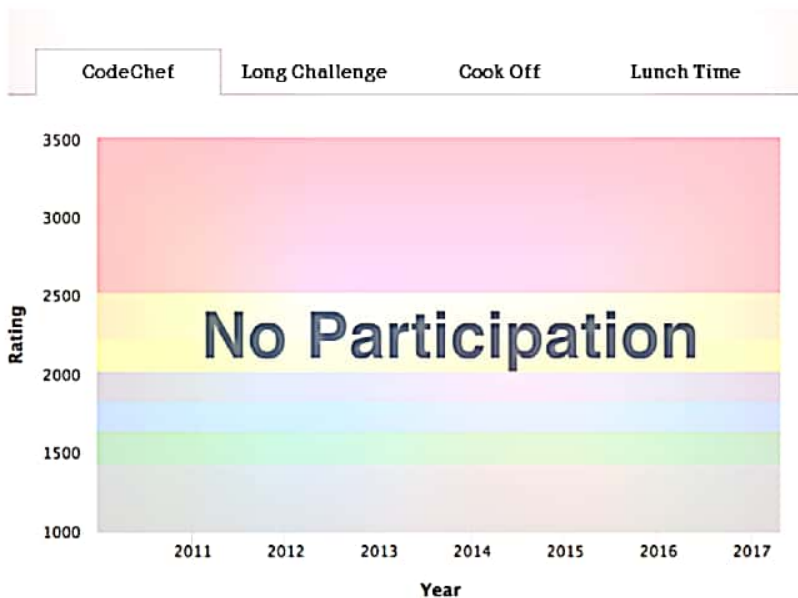
Student/Professional: Student

Institution: Alvas Institute of Engineering and Technology Karnataka, India

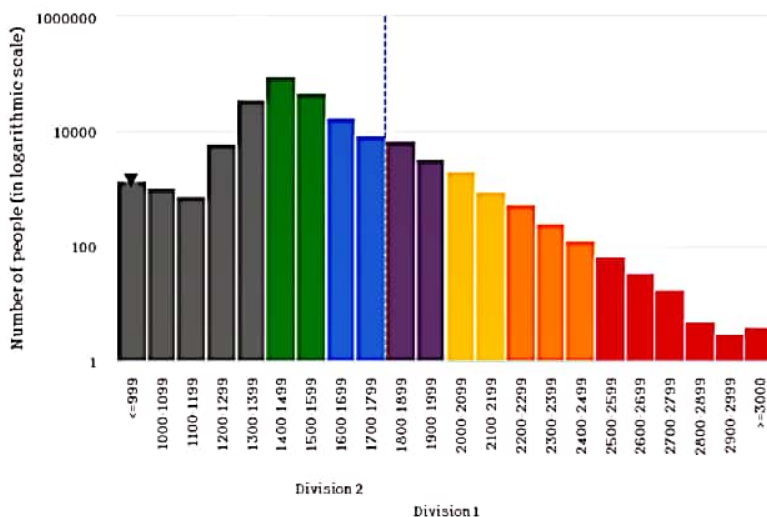
 Teams List: List of [teams](#) by B.H. Rashmi

 Team Invites: Click [here](#) to check team invites. 0

Rating Graphs



CodeChef Rating Distribution



0


[CodeChef Rating](#)
 (Highest Rating 0)

NA

Global Rank

NA

Country Rank

Contests	Rating	Global Rank	Country Rank
Long Challenge	0	NA	NA
Cook-off	0	NA	NA
Lunch Time	0	NA	NA

Recent Activity

Date/Time	Problem	Result	Lang
No Recent Activity			

Code, Compile & Run

ide

✕

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Contest Code/Name (e.g. JULY15/PRACTICE)

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets autosaved every second

🔍

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🔗

⚙️

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<limits.h>
4 int main()
5 {
6     int n,i;
7     printf("\nEnter the number of elements:");
8     scanf("%d",&n);
9     int arr[n];
10    printf("\nInput the array elements:");
11    for(i=0;i<n;i++)
12    {
13        scanf("%d",&arr[i]);
14    }
15    int min=INT_MAX;
16    int second_min=INT_MAX;
17    if(n<2)
18    {
19        printf("\nInvalid input");
20    }
21    for(i=0;i<n;i++)
22    {
23        if(arr[i]<min)
24        {
25            second_min=min;
26            min=arr[i];
27        }
28        else if(arr[i]<second_min && arr[i]!=min)
```

0.0

Open File

✓ Custom Input

Run

Custom Input

3

5 10 15

Status Successfully executed

Date 2020-06-06 06:31:48

Time 0 sec

Mem 9.424 kB

✕

Input

3

5 10 15

Output

Enter the number of elements:
Input the array elements:
The second smallest/ element is 10

Code, Compile & Run

ide

✕



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Contest Code/Name (e.g. JULY15/PRACTICE)





Problem Code/Name (e.g. TEST)

Select


C (gcc 6.3)



Code gets autosaved every second



```
9  int arr[n];
10 printf("\nInput the array elements:");
11 for(i=0;i<n;i++)
12 {
13     scanf("%d",&arr[i]);
14 }
15 int min=INT_MAX;
16 int second_min=INT_MAX;
17 if(n<2)
18 {
19     printf("\nInvalid input");
20 }
21 for(i=0;i<n;i++)
22 {
23     if(arr[i]<min)
24     {
25         second_min=min;
26         min=arr[i];
27     }
28     else if(arr[i]<second_min && arr[i]!=min)
29     {
30         second_min=arr[i];
31     }
32 }
33 printf("\nThe second smallest/ element is %d \n", second_min);
34 return 0;
35 }
36
```

0:0 

Open File

☒ Custom Input

Run

Custom Input

3
5 10 15

Status Successfully executed Date 2020-06-06 06:31:48 Time 0 sec Mem 9.424 kB

✕

Input

3
5 10 15

Output

Enter the number of elements:
Input the array elements:
The second smallest/ element is 10

C program to find second smallest element in an array

step 1 : start

step 2 : input size

step 3 : Display how many elements do you want to enter

step 4 : Display enter %d elements

for (i=0; i < size; i++)

input array[i]

step 5 : if (array[0] < array[1])

step 5.1 : smallest = array[0]

step 5.2 : secondsmallest = array[1]

5.3 : goto step 10 and step 11

step 6 : else

smallest = array[1]

secondsmallest = array[0]

goto step 10 and step 11

step 7 : for (i=2; i < size; i++)

step 8 : if (array[i] < smallest)

secondsmallest = smallest

smallest = array[i]

goto step 10 and step 11

step 9 : else if (array[i] < secondsmallest)

secondsmallest = array[i]

step 10 : Print the second smallest element

step 11 : stop.

Flowchart