



OR

rashmi_2001



B.H. Rashmi



rbh0659@gmail.com



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☒ Female ☐ Male ☐ Other

Siddapur, Karnataka, India

☒ Student ☐ Professional ☐ Other

Alvas Institute of Engineering & Technology ✓

2020 ▼

C(gcc 6.3) ▼

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Country: India

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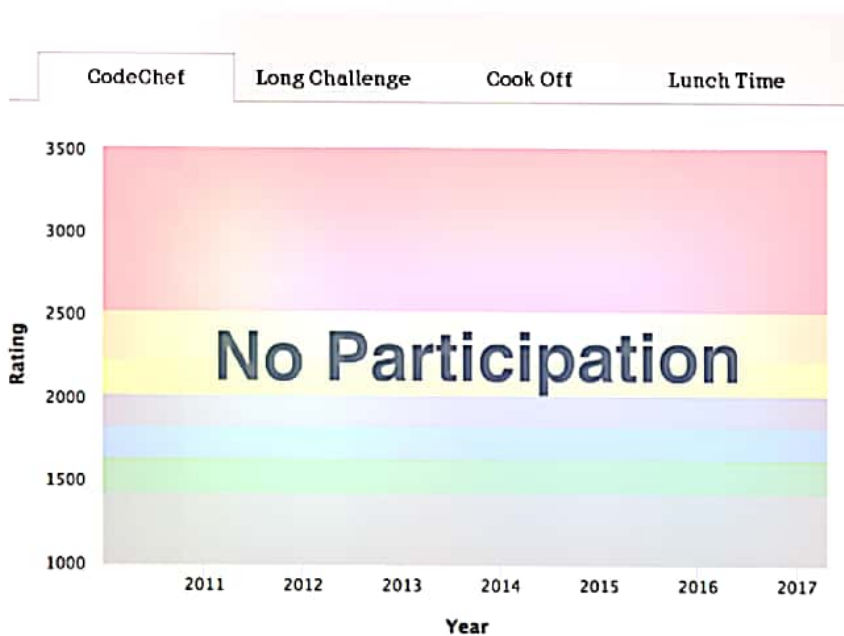
City: Siddapur

Student/Professional: Student

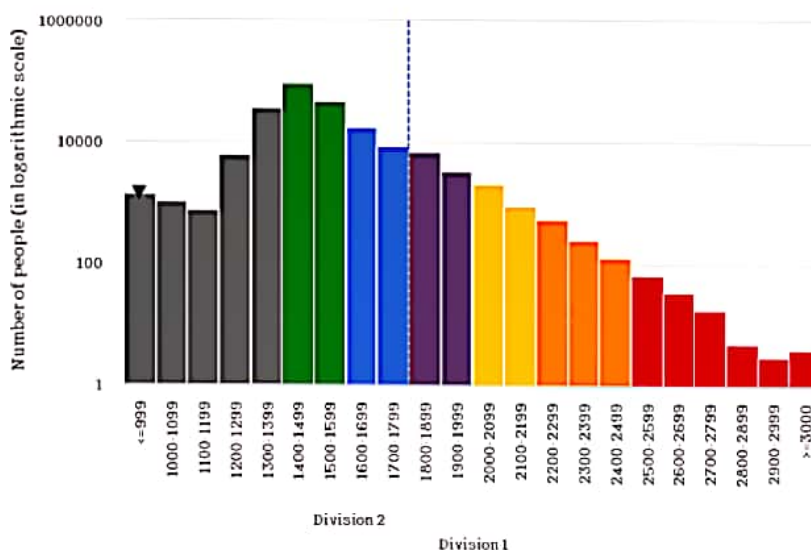
Institution: Alvas Institute of Engineering and Technology Karnataka, India

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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: ✕ +

C (Gcc 6.3) ? ↓ ↗ ⚙

```
1
2
3 #include <stdio.h>
4
5 void bubblesort(int arr[], int size)
6 {
7
8     int i, j;
9     for (i = 0; i < size; i++)
10
11 {
12     for (j = 0; j < size - i; j++)
13
14 {
15     if (arr[j] > arr[j+1])
16 swap(&arr[j], &arr[j+1]);
17
18 }
19 }
20 }
21 }
22 }
23 }
24 void swap(int *a, int *b)
25 {
26 {
27     int temp;
```

0:0 ↺

Open File

✓ Custom Input

Run

Custom Input

5
2 4 6 8 1

Status Successfully executed Date 2020-07-12 14:47:06 Time 0 sec Mem 9.424 kB ✕

Input

5
2 4 6 8 1

Output

How many numbers you want to sort:
Enter 5 numbers :
Sorted array is 0 1 2 4 6

Code, Compile & Run

ide x +

C (Gcc 6.3) [info] [download] [share] [settings]

```
36 }
37
38 int main()
39 {
40 {
41     int array[100], i, size;
42     printf("How many numbers you want to sort: ");
43     scanf("%d", &size);
44     printf("\nEnter %d numbers :", size);
45     for (i = 0; i < size; i++)
46     {
47         scanf("%d", &array[i]);
48     }
49     bubblesort(array, size);
50     printf("\nSorted array is ");
51     for (i = 0; i < size; i++)
52     {
53         printf("%d ", array[i]);
54     }
55     return 0;
56 }
57 }
58
59
60
61
62
63
64
```

0:0 [refresh]

Open File

✓ Custom Input

Run

Custom Input

5
2 4 6 8 1

Status Successfully executed Date 2020-07-12 14:47:06 Time 0 sec Mem 9.424 kB

Input

5
2 4 6 8 1

Output

How many numbers you want to sort:
Enter 5 numbers :
Sorted array is 0 1 2 4 6

C program to implement bubble sort using structure :-

Algorithm :-

BubbleSort (int a[], int n)

Begin

for i = 1 to n-1

sorted = true

for j = 0 to n-1-i

if a[j] > a[j+1]

temp = a[j]

a[j] = a[j+1]

a[j+1] = temp

sorted = false

end for

if sorted

break from i loop

end for

End.

Flowchart :-

