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B.H. Rashmi ✔

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•••••••• ✔

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Siddapur, Karnataka, India

⦿ Student ◯ Professional ◯ Other

Alvas Institute of Engineering ✔

2020 ▾

C(gcc 6.3) ▾

☑ Send me newsletter & contest invitations.

☑ I abide by CodeChef's Code Of Conduct.

Register

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Home ▸ B.H. Rashmi

B.H. Rashmi
✎ f 👥

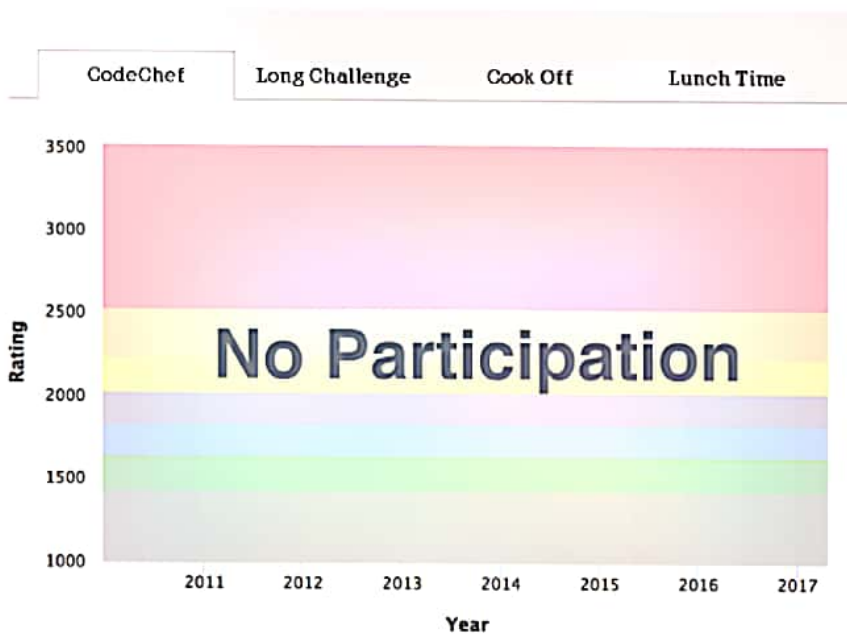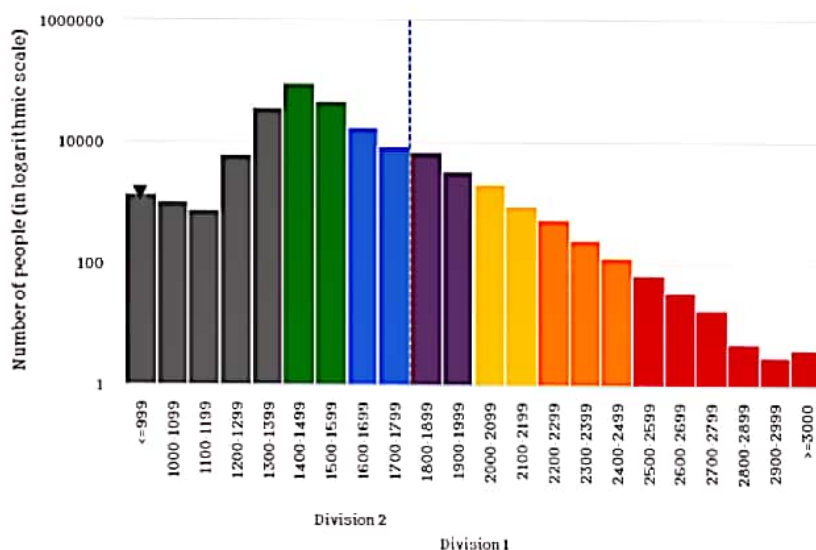|	
Username:	rashmi_2001
Country:	🇮🇳 India
State:	Karnataka
City:	Siddapur
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by B.H. Rashmi
Team Invites:	Click here to check team invites. ⓪

Rating Graphs

CodeChef	Long Challenge	Cook Off	Lunch Time

No Participation

CodeChef Rating Distribution

Division 2

Division 1

0
★

CodeChef Rating
(Highest Rating 0)

NA	NA
Global Rank	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

File   ✕   +

| Content Code/Name (e.g. JULY15/PRACTICE) | Problem Code/Name (e.g. TEST) | **Select** |

C (gcc 6.3)

```
1   #include <stdio.h>
2   void main()
3   {
4       int *a,i,j,tmp,n;
5       printf("\n\t Pointer : Sort an array using pointer :\n");
6       printf("-------------------------------------------------\n");
7
8       printf(" Input the number of elements to store in the array : ");
9       scanf("%d",&n);
10
11      printf(" Input %d number of elements in the array : \n",n);
12      for(i=0;i<n;i++)
13          {
14          printf(" element - %d : ",i+1);
15          scanf("%d",a+i);
16          }
17      for(i=0;i<n;i++)
18      {
19      for(j=i+1;j<n;j++)
20          {
21          if( *(a+i) > *(a+j))
22              {
23              tmp = *(a+i);
24              *(a+i) = *(a+j);
25              *(a+j) = tmp;
26              }
27          }
28      }
29      printf("\n The elements in the array after sorting : \n");
```

300

Open File   ✓ Custom Input   **Run**

Custom Input

```
5
59
37
29
69
50
```

Status Runtime error   **Date** 2020-07-19 08:07:13   **Time** 0 sec   **Mem** 9,424 kB   ✕

Input

```
5
59
37
29
69
50
```

Runtime Error

```
SIGSEGV
```

Code, Compile & Run

Contest Code/Name (e.g. JULY15/PRACTICE)	Problem Code/Name (e.g. TEST)	**Select**

C (gcc 6.3) ▼   🖫   🗑   Code gets auto saved every second   ❶   📥   ↗   ⚙

```
 9    scanf("%d",&n);
10
11    printf(" Input %d number of elements in the array : \n",n);
12    for(i=0;i<n;i++)
13        {
14        printf(" element - %d : ",i+1);
15        scanf("%d",a+i);
16        }
17    for(i=0;i<n;i++)
18        {
19        for(j=i+1;j<n;j++)
20            {
21            if( *(a+i) > *(a+j))
22                {
23            tmp = *(a+i);
24            *(a+i) = *(a+j);
25            *(a+j) = tmp;
26                }
27            }
28        }
29    printf("\n The elements in the array after sorting : \n");
30    for(i=0;i<n;i++)
31        {
32        printf(" element - %d : %d \n",i+1,*(a+i));
33        }
34    printf("\n");
35    }
36    |
37
```

350   ↻

Open File   ✓ Custom Input   **Run**

Custom Input

```
5
59
37
29
69
50
```

Status Runtime error   **Date** 2020-07-19 08:07:13   **Time** 0 sec   **Mem** 9.424 kB   ✕

Input

```
5
59
37
29
69
50
```

Runtime Error

```
SIGSEGV
```

- **Algorithm** :-

   step 1 :- start

   step 2 :- starting with the first element (index = 0), compare the current element with the next element of the array.

   step 3 :- If the current element is greater than the next element of the array swap them.

   step 4 :- If the current element is less than the next element, move to the next element. Repeat step 1.

   step 5 :- stop.

start

Void main [ ]

```
int *a, i, j, tmp, n;
printf ('\n\n Pointer : Sort an array
         using pointer \n");
printf (" -          \n");
printf ("Input the no. of elements to store
         in the array: ");
scanf ("%d", &n);
printf (" Input %d no. of elements in the array
         : \n", n);
i = 0
```

i < n

No ⟶ i = 0

yes ⟶
```
printf(" element - %d : ", i+1);
scanf ("%d", a+i);
```
⟶ i++

i < n

No ⟶
```
printf("\n The elements
in the array after
sorting : \n");
i = 0
```

Yes ⟶ j = i + 1 ⟶ j < n

i < n

Yes ⟶
```
printf("element - %d :
%d \n", i+1, *(a+i));
```
⟶ i++

No ⟶ printf("\n"); ⟶ Stop

j < n No ⟶ *(a+i) > *(a+j)

i++

*(a+i) > *(a+j)

Yes ⟶
```
tmp = *(a+i);
*(a+i) = *(a+j);
*(a+i) = temp;
```

No

⟶ j++