— OR —

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B.H. Rashmi ✔

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•••••••• ✔

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Alvas Institute of Engineering ✔

2020 ▾

C(gcc 6.3) ▾

☑ Send me newsletter & contest invitations.

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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 | Long Challenge | Cook Off | Lunch Time |

No Participation

CodeChef Rating Distribution
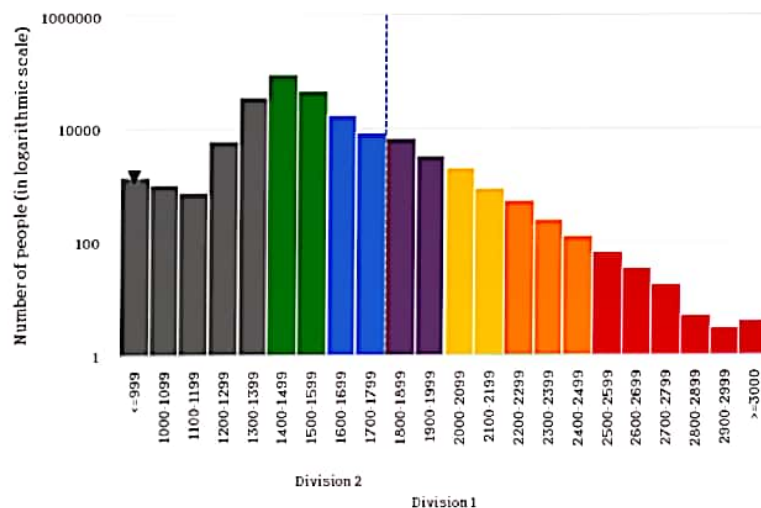
0
⭐

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

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

C (gcc 6.3) ▾   💾 🗑   Code gets autosaved every second   ℹ ⬇ ↗ ⚙

```
 1  #include <stdio.h>
 2  void distict_elements(int a[], int n);
 3  int main()
 4  {
 5    int size_array, i, arr[20];
 6    printf("Enter the size of the array:");
 7    scanf("%d",&size_array);
 8    printf("Enter the array elements:");
 9    for(i=0;i<size_array;i++)
10    {
11    scanf("%d",&arr[i]);
12    }
13    distict_elements(arr,size_array);
14    return 0;
15  }
16  void distict_elements(int a[],int n)
17  {
18    int i,j;
19    for(i=0;i<n;i++)
20    {
21    for(j=0;j<i;j++)
22    {
23    if(a[i]==a[j])
24    break;
25    }
26    if(i==j)
27    printf("%d",a[i]);
28    }
29  }
```

0:0   ↻

Open File   ✓ Custom Input   **Run**

Custom Input

```
5
1 2 3 4 4
```

Status Successfully executed   **Date** 2020-06-07 09:36:15   **Time** 0 sec   **Mem** 9.424 kB   ✕

Input
```
5
1 2 3 4 4
```

Output
```
Enter the size of the array:Enter the array elements:1234
```

B.H. Rashmi
4AL19CS018
F-Section

① c program to count distinct element in an array.

Algorithm :

Step 1 : start

Step 2 : input size i, j, count.

step 3 : for (i=0 ; i<size ; i++)
```
{
    freq [i] = -1;
}
```

step 4 : for (i=0 ; i<size ; i++)
```
{
    count = 1;
    for (j=1 ; j<size ; j++)
    {
        if (arr[i] == arr[j])
        {
            count ++;
            freq [j] = 0;
        }
    }
    if (freq [i] != 0)
    {
        freq [i] = count;
    }
}
```

step 5 : output distinct elements in the the array are.

step 6 : for (i=0 ; i<size ; i++)
```
{
    if (freq [i] == 1)
    {
        output
    }
}
```

Flowchart:

```
                    ( start )
                        |
                        v
        / input size, i, j, count /
                        |
                        v
        < for (i=0; i<size; i++) >
                        |
                        v
            | freq [i] = -1 |
                        |
                        v
        < for (i=0; i<size; i++) >
                        |
                        v
              | count = 1 |
                        |
                        v
        < for(j=y; j<size; j++) >
                        |
                        v
              /  if        /
              / arr[i] == arr[j] ?
                        |
                        v
            | Count++            |
            | freq [j] = 0       |
                        |
                        v
              < if          >
              < (freq[i]! =0) >
                        |
                        v
            | freq [i] = count |
                        |
                        v
        / output distinct elements /
        / in the array are         /
                        |
                        v
        < for i=0; i<size; i++ >
                        |
                        v
              < if          >
              < (freq[i]==1) >
                        |
                        v
            / output /
                |
                v
            ( stop )
```