



codechef.com/signup



prajna123



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☒ Female ☐ Male ☐ Other

undefined, Karnataka, India

☒ Student ☐ Professional ☐ Other

Alvas Institute of Engineering and



2020 ▼

C(gcc 6.3) ▼

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CodeChef was created as a platform



Hello prajna123



PRACTICE

COMPETE

DISCUSS

COMMUNITY

HELP

[Home](#) » Prajna S P

Prajna S P



Username: prajna123

Country: India

State: Karnataka

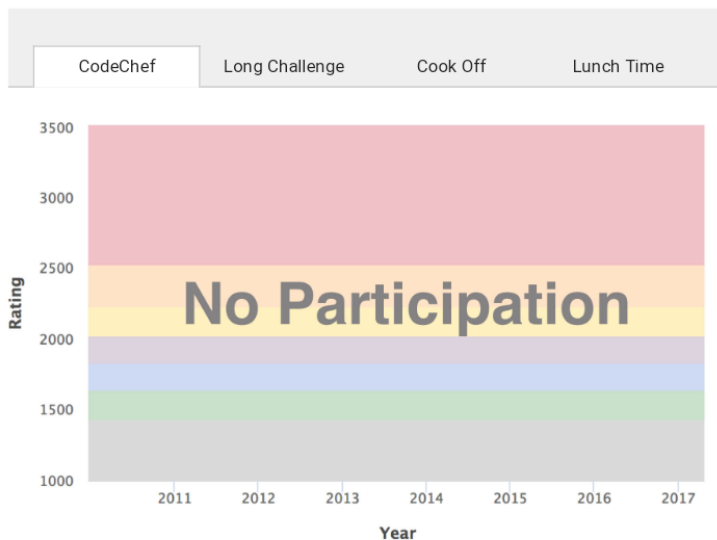
City: India

Student/Professional: Student

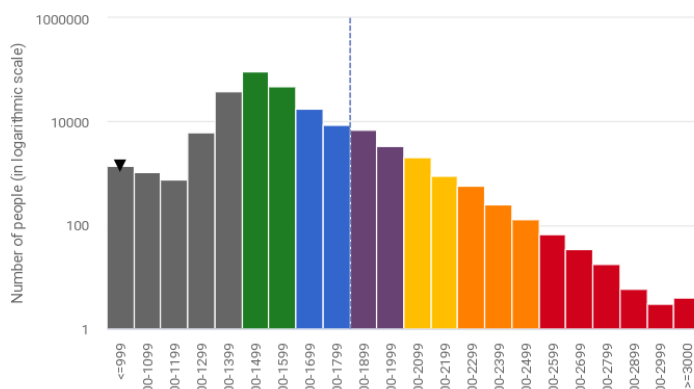
Institution: Alvas Institute of Engineering and Technology Karnataka, India

Teams List: List of [teams](#) by Prajna S PTeam 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	C
Long Challenge	0	NA	
Cook-off	0	NA	
Lunch Time	0	NA	

Recent Activity

Date/Time	Problem	Result
No Recent Activity		

Code, Compile & Run

ide

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

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets auto-saved every second

🔍

📄

🔗

⚙️

```
1 #include <stdio.h>
2 void distinct_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    distinct_elements(arr,size_array);
14    return 0;
15 }
16 void distinct_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

C program to count distinct elements in an array:

Algorithm:

Step 1: Start

Step 2: input size i, j , count

Step 3: for ($i=0$; $i < \text{size}$; $i++$)

```
{  
    freq[i] = -1;  
}
```

Step 4: for ($i=0$; $i < \text{size}$; $i++$)

```
{  
    count = 1;  
    for ( $j=1$ ;  $j < \text{size}$ ;  $j++$ )
```

```
{  
    if ( $\text{arr}[i] == \text{arr}[j]$ )
```

```
{  
        count++;  
        freq[i] = 0;
```

```
}  
}
```

```
if ( $\text{freq}[i] != 0$ )
```

```
{  
    freq[i] = count;
```

```
}  
}
```

Step 5: Output distinct elements in the array are.

Step 6: for ($i=0$; $i < \text{size}$; $i++$)

```
{  
    if ( $\text{freq}[i] == 1$ )
```

```
{
```

```
    output
```

```
}
```

```
}
```

Flowchart :

