



Home » Pushpitha P



Pushpitha P



Username: pushpitha2001

Country: India

State: Karnataka

City: Mysuru

Student/Professional: Student

Institution: Alvas Institute of Engineering and Technology Karnataka, India

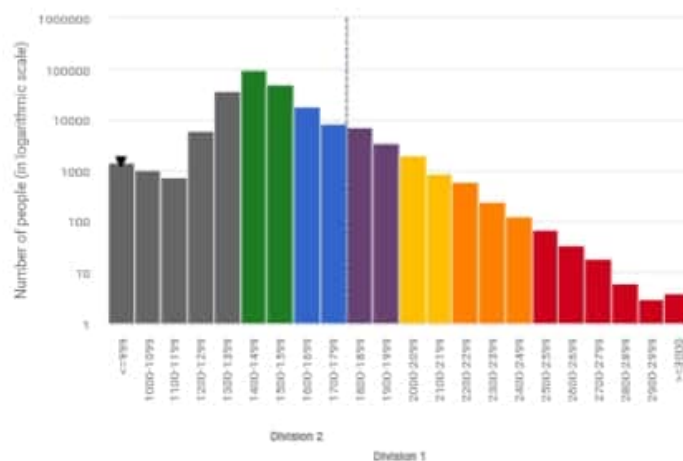
Teams List: List of [teams](#) by Pushpitha P

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

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
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Code, Compile & Run

Ide ✕ +

C++14 (gcc 6.3)



```
1 #include <stdio.h>
2 #include <string.h>
3 main()
4 {
5     int smallest, secondsmallest;
6     int array[100], size, i;
7     printf("In how many elements do you want to enter:");
8     scanf("%d", &size);
9     printf("In enter %d elements:", size);
10    for(i=0; i<size; i++)
11        scanf("%d", &array[i]);
12    if(array[0]<array[1])
13    {
14        smallest=array[0];
15        secondsmallest=array[1];
16    }
17    else
18    {
19        smallest=array[1];
20        secondsmallest=array[0];
21    }
22    for(i=2; i<size; i++)
23    {
24        if(array[i]<smallest)
25        {
26            secondsmallest=smallest;
27            smallest=array[i];
28        }
29        else if(array[i]<secondsmallest)
```

33:02



Open File

✓ Custom Input

Run

Custom Input

5
1
2
3
4
5

Status: Successfully executed Date: 2020-06-06 07:27:38 Time: 0 sec Mem: 15.232 kB ✕

Input

5
1
2
3
4
5

Output

how many elements do you want to enter:
enter 5 elements:
second smallest element is 2



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Code, Compile & Run

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C++14 (gcc 6.3)



```
1 // Write a program to find the second smallest element in an array.
2 #include <iostream>
3 using namespace std;
4
5 int main()
6 {
7     int size;
8     scanf("%d",&size);
9     printf("\n enter %d elements:",size);
10    for(i=0;i<size;i++)
11        scanf("%d",&array[i]);
12    if(array[0]<array[1])
13    {
14        smallest=array[0];
15        secondsmallest=array[1];
16    }
17    else
18    {
19        smallest=array[1];
20        secondsmallest=array[0];
21    }
22    for(i=2;i<size;i++)
23    {
24        if(array[i]<smallest)
25        {
26            secondsmallest=smallest;
27            smallest=array[i];
28        }
29        else if(array[i]<secondsmallest)
30        {
31            secondsmallest=array[i];
32        }
33    }
34    printf("\n second smallest element is %d",secondsmallest);
35 }
```

33:42



Open File

✓ Custom Input

Run

Custom Input

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

Status Successfully executed Date 2020-06-06 07:27:35 Time 0 sec Mem 15.232 kB ✕

Input

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

Output

```
how many elements do you want to enter:
enter 5 elements:
second smallest element is 2
```

C program to find second smallest element in an array

Algorithm

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[i])

Step 5.1 : Smallest = array[0]

Step 5.2 : Secondsmallest = array[i]

Step 5.3 :- goto step 10 and step 11

Step 6:- else

Smallest = array[i]

Secondsmallest = array[0]

goto step 10 & step 11

Step 7:- for($i=2$; $i < size$; $i++$)

Step 8:- if (array[i] < smallest)

Secondsmallest = smallest

Smallest = array[i]

go to step 10 & step 11

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

secondsmallest = array[i]

Step 10:- Print the second smallest element

Step 11:- stop.

Flowchart