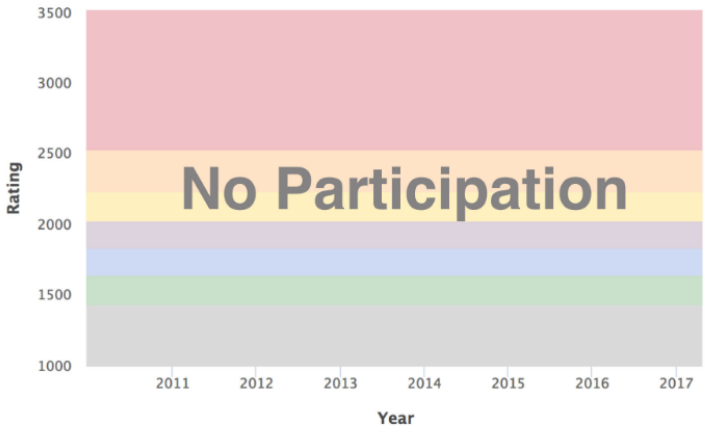
Prajna S P

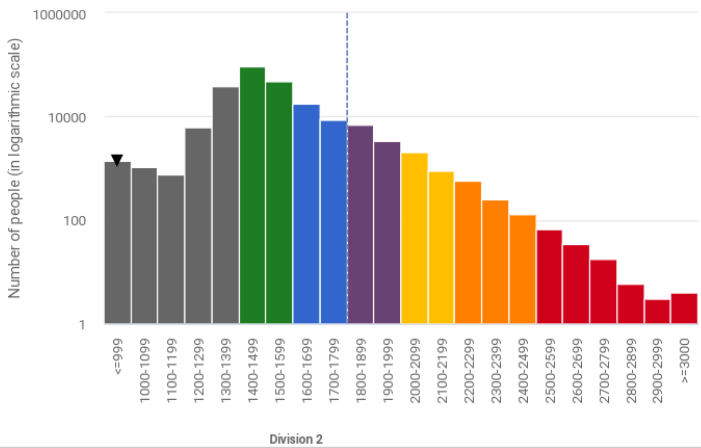
Username:	prajna123
Country:	India
State:	Karnataka
City:	India
Student/Professional:	Student
Institution:	Alvas Institute of Engineering and Technology Karnataka, India
Teams List:	List of teams by Prajna S P
Team Invites:	Click here to check team invites. 0

Rating Graphs

CodeChef | Long Challenge | Cook Off | Lunch Time



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 autosaved every second

```c
#include<stdio.h>
#include<stdlib.h>
#include<limits.h>
int main()
{
int n,i;
printf("\nEnter the number of elements:");
scanf("%d",&n);
int arr[n];
printf("\nInput the array elements:");
for(i=0;i<n;i++)
{
scanf("%d",&arr[i]);
}
int min=INT_MAX;
int second_min=INT_MAX;
if(n<2)
{
printf("\nInvalid input");
}
for(i=0;i<n;i++)
{
if(arr[i]<min)
{
second_min=min;
min=arr[i];
}
else if(arr[i]<second_min && arr[i]!=min)
```

0.0

Open File ✓Custom Input Run

Custom Input

```
3
5 10 15
```

Status Successfully executed **Date** 2020-06-06 06:31:48 **Time** 0 sec **Mem** 9.424 kB ✖

Input

```
3
5 10 15
```

Output

```
Enter the number of elements:
Input the array elements:
The second smallest/ element is 10
```

Code, Compile & Run

Ide

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

Problem Code/Name (e.g. TEST)

Select

C (gcc 6.3)

Code gets autosaved every second

```c
int arr[n];
printf("\nInput the array elements:");
for(i=0;i<n;i++)
{
scanf("%d",&arr[i]);
}
int min=INT_MAX;
int second_min=INT_MAX;
if(n<2)
{
printf("\nInvalid input");
}
for(i=0;i<n;i++)
{
if(arr[i]<min)
{
second_min=min;
min=arr[i];
}
else if(arr[i]<second_min && arr[i]!=min)
{
second_min=arr[i];
}
}
printf("\nThe second smallest/ element is %d \n", second_min);
return 0;
}
```

0:0

Open File

✓Custom Input

Run

Custom Input

```
3
5 10 15
```

Status Successfully executed **Date** 2020-06-06 06:31:48 **Time** 0 sec **Mem** 9.424 kB

Input

```
3
5 10 15
```

Output

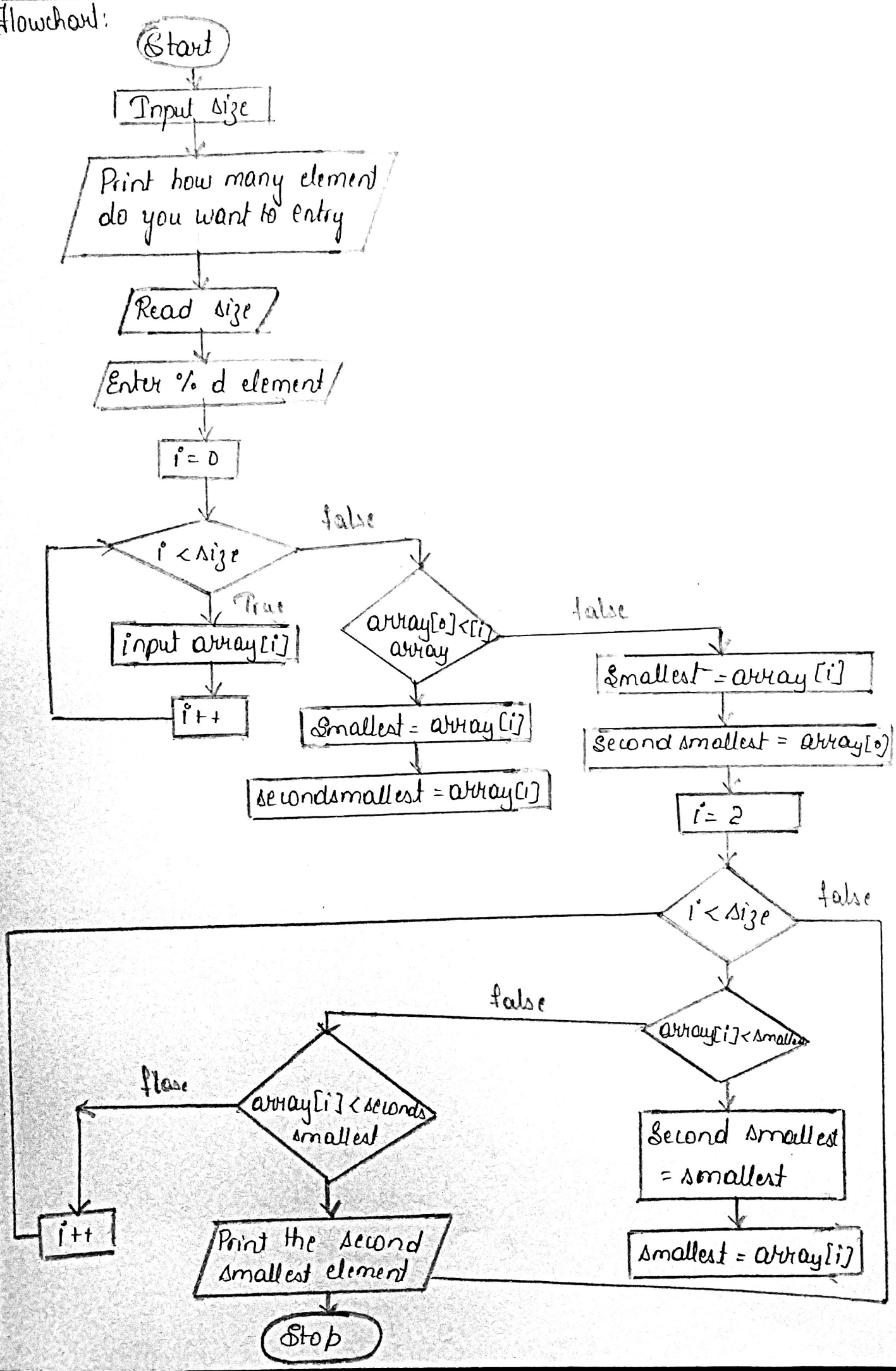
```
Enter the number of elements:
Input the array elements:
The second smallest/ element is 10
```

Prajna S.P 4AL19CS064

C program to find second smallest Element in an array.

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 [1])
Step 5.1 ; Smallest = array [0]
Step 5.2 : Secondsmallest = array [1]
5.3 : goto step 10 and Step 11
Step 6 : Else
Smallest = array [1]
Secondsmallest = ~~[array Semallest]~~ array[0]
~~[Smallest = array[i]]~~
goto Step 10 and Step 11
Step 7 : for (i = 2 ; i < size ; i++)
Step 8 : if (array[i] < smallest)
Secondsmallest = Smallest
Smallest = array[i]
goto Step 10 and Step 11
Step 9 : Else if (array [i] < second smallest)
Second Smallest = array[i]
Step 10 : Print the second Smallest element
Step 11 : Stop

Flowchart:


Start
Input size
Print how many element do you want to entry
Read size
Enter % d element
i = 0
i < size
false
True
input array[i]
i++
array[0] < [i] array
false
Smallest = array[i]
secondsmallest = array[i]
Smallest = array [i]
Second smallest = array[0]
i = 2
i < size
false
array[i] < smallest
false
array[i] < seconds smallest
false
i++
Second smallest = smallest
Smallest = array[i]
Print the second smallest element
Stop