

## 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



```
1 #include<stdio.h>
2 int main()
3 {
4     int a[50],i,n,large,small;
5     printf("How many elements:");
6     scanf("%d",&n);
7     printf("Enter the Array:");
8     for(i=0;i<n;++i)
9         scanf("%d",&a[i]);
10    large=small=a[0];
11    for(i=1;i<n;++i)
12    {
13        if(a[i]>large)
14            large=a[i];
15
16        if(a[i]<small)
17            small=a[i];
18    }
19    printf("The largest element is %d",large);
20    printf("\nThe smallest element is %d",small);
21    return 0;
22 }
23
24
25
26
```

0:0



Open File

☒ Custom Input

Run

Custom Input

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

Status Successfully executed Date 2020-06-05 05:48:27 Time 0 sec Mem 9.424 kB



Input

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

Output

```
How many elements:Enter the Array:The largest element is 5
The smallest element is 1
```

Priyanka.shet

4A119C5D70

i) Algorithm (to find smallest & largest no in an array)

step 1 : start

step 2 : initialize  $small = large = a[0]$

step 3 : Input the array elements

step 4 : Repeat from  $i = 2$  to  $n$

step 5 : if ( $a[i] > large$ )

step 6 :  $large = a[i]$

step 7 : if ( $a[i] < small$ )

step 8 :  $small = a[i]$

step 9 : Print small and large

step 10 : stop

(ii) Flowchart :

