

Code, Compile & Run

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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
3 int main()
4 {
5     int a[50], size, i, big, small;
6
7     printf("\nEnter the size of the array: ");
8     scanf("%d", &size);
9
10    printf("\nEnter the %d elements of the array: \n\n", size);
11    for(i = 0; i < size; i++)
12        scanf("%d", &a[i]);
13
14    big = a[0];
15    for(i = 1; i < size; i++)
16    {
17        if(big < a[i]) // if larger value is encountered
18        {
19            big = a[i]; // update the value of big
20        }
21    }
22    printf("\nThe largest element is: %d", big);
23
24    small = a[0];
25    for(i = 1; i < size; i++)
26    {
27        if(small > a[i]) // if smaller value is encountered
28        {
29            small = a[i]; // update the value of small
30        }
31    }
32    printf("\nThe smallest element is: %d", small);
33    return 0;
34 }
```

31:53 

Open File

☒ Custom Input

Run

Custom Input

5
1 2 3 4 5

Status Successfully executed Date 2020-06-06 05:19:21 Time 0 sec Mem 9.424 kB

Input

5
1 2 3 4 5

Output

Enter the size of the array:
Enter the 5 elements of the array:

CodeChef is a non-profit competitive programming community

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Ide ✕ +

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✓ Custom Input

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Enter the size of the array:
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Shreyas Moolya

4419T5053

Date

7] C program to find smallest and largest element

Algorithm

Step 1:- Start

Step 2:- Input n , $a[50]$

Step 3:- Display how many elements

Step 4:- Display Enter array elements
for ($i=0; i < n; i++$)
input $a[i]$

Step 5:- $large = small = a[0]$

Step 6:- for ($i=0; i < n; i++$)

G.1:- if ($a[i] > large$)

G.1.1:- $large = a[i]$

G.2:- if ($a[i] < small$)

G.2.1:- $small = a[i]$

Step 7:- Print the largest element

Step 8:- Print the smallest element

Step 9:- Stop

F-club Queue

