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► **MORT**

$$I_{\text{de}} \quad \times \quad I_{\text{de}}$$

Problem Code/Name (e.g., P5T)

Select

Each year attracts many tourists



1

1

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```

1 #include<stdio.h>
2 int main()
3 {
4     int a[50],i,n,large,small;
5     printf("\n enter the no. of elements:\n");
6     scanf("%d",&n);
7     printf("\ninput the array elements:");
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        if(a[i]<small)
16            small=a[i];
17    }
18    printf("\nThe smallest element is %d \n",small);
19    printf("\nThe largest element is %d\n",large);
20    return 0;
21 }

```

 $\partial \pm \partial$

Open File

✓ Custom Input

Routledge

Custom Input

5
8 2 9 4 1

Status: Successfully executed Date: 2020-06-22 12:39:05 Time: 0 sec Mem: 9,424 kB

Input

5
8 2 9 4 1

Output

```
enter the no. of elements:
```

```
input the array elements:
The smallest element is 1
```

The largest element is 9

C program for smallest & biggest element in an array

Algorithm:

- Step 1: Start
Step 2: Input array elements
Step 3: Repeat from $i=0$ to n
Step 4: if ($arr[i] > large$)
Step 5: $large = arr[i]$
Step 6: if ($arr[i] < small$)
Step 7: $small = arr[i]$
Step 8: Print smallest & biggest element
Step 9: Stop.

Flowchart:

