

Implement a program to find the maximum element in an array of size  $n$ .

**Input Format:**

- The first line of the input represents an integer  $n$
- The second line of the input represents  $n$  space separated elements of the array (Integers)

**Output Format:**

- The first line of the output represents the input array.
- The second line contains an integer representing the maximum element of the array.

Sample Test Cases



CTC37586.c

Submit

```
1  #include<stdio.h>
2  int main(){
3      int n;
4      scanf("%d",&n);
5      int arr[n];
6      for(int i=0;i<n;i++){
7          scanf("%d",&arr[i]);
8      }
9      printf("[");
10     for(int i=0;i<n;i++){
11         if(i<n-1){
12             printf("%d, ",arr[i]);
13         }
14         else{
15             printf("%d\\n",arr[i]);
16         }
17     }
18     for(int i=0;i<n-1;i++){
19         if(arr[i]<=arr[i+1]){
20             int temp=arr[i];
21             arr[i]=arr[i+1];
22             arr[i+1]=temp;
23             i=-1;
24         }
25     }
26     printf("%d",arr[0]);
27 }
```

Average time  
**0.085 s**  
85.00 ms

Maximum time  
**0.108 s**  
108.00 ms

✓ 2 out of 2 shown test case(s) passed

✓ 2 out of 2 hidden test case(s) passed

✓ Test case 1 88 ms

Debug

Expected output

Actual output

4	4
7 2 9 5	7 2 9 5
[7, -2, -9, -5]	[7, -2, -9, -5]

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Reset

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