



Learn how your code will be evaluated (https://helpcenter.mymapit.in/?ht_kb=things-to-know-before-attempting-the-test)

Utility codes for quick start (https://helpcenter.mymapit.in/?page_id=871)

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Moring Prayer queue

Consider a scenario where students are standing in a queue during morning prayer time now the class teacher want to find the maximum and second maximum height of the students standing in a queue. Design a function and help the class teacher to find the maximu height of the students.

Sample Input:

Enter elements of the array:

3 // Number of Elements

34

67

89

Sample Output:

Max = 89

Second Max = 67

Sample Input:

C (gcc 4.8.3) ▼



▶ Compile & Run

O/P »

```

1  #include <stdio.h>
2
3  int main()
4  {
5      int n;
6      scanf("%d",&n);
7      int arr[n];
8      int i;
9      for(i=0; i < n; i++) scanf("%d",&arr[i]);
10
11     // sort
12     int rounds,j;
13     for(rounds=1; rounds <= n-1; rounds++){
14         for(j = 0; j <= n - rounds - 1; j++){
15             if(arr[j] > arr[j+1]){
16                 int temp = arr[j];
17                 arr[j] = arr[j+1];
18                 arr[j+1] = temp;
19             }
20         }
21     }
22
23
24     printf("Max = %d\n",arr[n-1]);
25     printf("Second Max = %d",arr[n-2]);
26
27     /*
28         // method - 1 (2 test case failed)
29
30     // exception case
31     if(n == 1){
32         printf("%d",arr[0]);
33         return 0;
34     }

```

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