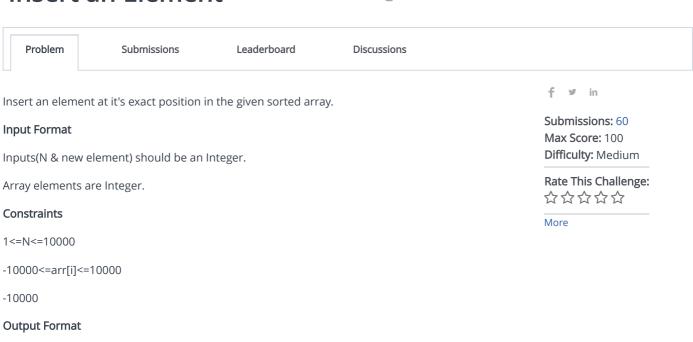


All Contests > stage_2 > Insert an Element

Insert an Element

locked



Sample Input 0

Output should be desired output.

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

Sample Output 0

1 2 3 4 5 6

Sample Input 1

```
7
1 2 4 5 6 8 9
```

Sample Output 1

1 2 3 4 5 6 8 9

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6
7 void printArray(int array[],int n)
8 ▼ {
```

```
9
        int i;
10
        for(i=0;i<n;i++)</pre>
11 ▼
12▼
            printf("%d ",array[i]);
        }
13
14 }
15
16 void getArray(int array[],int n)
17▼{
        int i;
18
        for(i=0;i<n;i++)
19
20 ▼
        {
            scanf("%d",&array[i]);
21 ▼
        }
22
23 }
24
25 | int findIndex(int array[],int n,int ele)
26 ▼ {
        //sorted array - so just return where it belongs
27
        int i;
28
29
        for(i=0;i<n;i++)</pre>
30▼
             if(ele < array[i])</pre>
31 ▼
32▼
                 break;
33
34
35
        }
36
        return i;
37
    }
38
39
   void insertElement(int array[],int *n,int index,int elem)
40 ▼ {
        int i,temp;
41
        for(i=index;i<*n;i++)</pre>
42
43 ▼
44 ▼
             temp=array[i];
45▼
            array[i]=elem;
46
            elem=temp;
47
        }
48 ▼
        array[i]=elem;
49
        *n=*n+1;
50 }
51
52
53
54
55 ▼ int main() {
56
        /* Enter your code here. Read input from STDIN. Print output to STDOUT */
57▼
        int arr[100],n,temp,index;
58▼
        scanf("%d",&n);
59
60
        getArray(arr,n);
61
62
        scanf("%d",&temp);
63
64
        index=findIndex(arr,n,temp);
65
        insertElement(arr,&n,index,temp);
66
67
68
        printArray(arr,n);
69
70
71
        return 0;
    }
72
73
                                                                                                    Line: 1 Col: 1
```

<u>♣ Upload Code as File</u> Test against custom input

Run Code

Submit Code

Contest Calendar | Interview Prep | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature