

Insertion Sort - Part 2 ☆

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Problem

Submissions

Leaderboard

You made this submission an hour ago.

Score: 30.00 **Status:** Accepted

People who solved **Insertion Sort - Part 2** attempted this next:

Correctness and the Loop Invariant

How do you demonstrate the correctness of an algorithm? You can use the loop invariant.

Solve Challenge

Submitted Code

Language: Python 3 Open in editor

```
1 #!/bin/python3
2
3 import math
4 import os
5 import random
6 import re
7 import sys
8
9 # Complete the insertionSort2 function below.
10 def insertionSort2(n, arr):
11     for q in range(1, len(arr)):
12         for i in range(q):
13             if(arr[q] < arr[i]):
14                 temp=arr[q]
15                 arr[q]=arr[i]
16                 arr[i]=temp
```

Test case 0

Test case 1

Test case 2

Test case 3

Test case 4

Test case 5

Compiler Message

Success

Input (stdin)

```
1 6
2 1 4 3 5 6 2
```

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Expected Output

```
1 1 4 3 5 6 2
2 1 3 4 5 6 2
3 1 3 4 5 6 2
4 1 3 4 5 6 2
5 1 2 3 4 5 6
```

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