



Insertion Sort - Part 2 ☆

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Problem

Submissions

Leaderboard

You made this submission 15 hours ago.

Score: 30.00 Status: **Accepted**

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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 2

[Open in editor](#)

```
1 #!/bin/python
2 def insertionSort(ar):
3     for i in xrange(1, len(ar)):
4         temp = ar[i]
5         j = i
6         while j > 0 and temp < ar[j-1]:
7             ar[j] = ar[j-1]
```



```
8         j -= 1
9         ar[j] = temp
10        print ' '.join(str(j) for j in ar)
11
12 m = input()
13 ar = [int(i) for i in raw_input().strip().split()]
14 insertionSort(ar)
15
```

✓ 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

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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