X

Programming Assignment-2: End-Sort

Due on 2020-03-05, 23:59 IST

Given a list A of N distinct integer numbers, you can sort the list by moving an element to the end of the list. Find the minimum number of moves required to sort the list using this method in ascending order.

Input Format:
The first line of the input contains N distinct integers of list A separated by a space.

Output Format
Print the minimum number of moves required to sort the elements.

Example:

Input:
1 3 2 4 5

Output:
3

Explanation:
In the first move, we move 3 to the end of the list. In the second move, we move 4 to the end of the list, and finally, in the third movement, we move 5 to the end.

Sample Test Cases

	Input	Output
Test Case 1	20 3 1 2 6 7 8 21 19 5	8
Test Case 2	4 1 3 5 6 2 7 9 8	7

Test Case 3	1 2 3 4 5 6 7 8 9 15 14 13 12 11 10	5
Test Case 4	1 2 3 4 5	0
Test Case 5	1 3 5 2 6	3
Test Case 6	5 1 3 2 7	3

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.
Sample solutions (Provided by instructor)

```
"""

@author: descentis
http://sccilabs.org/amit_verma.html
"""

arr = [int(x) for x in input().split()]
arr1 = sorted(arr)
count = 0
for i in range(len(arr)):
    if arr[i] == arr1[count]:
        count+=1
print(len(arr)-count)
```

questions
game 04 (unit?
unit=84&lesson=98)

- Sorting and Searching : 20 questions game 05 (unit? unit=84&lesson=99)
- Sorting and Searching : 20 questions game 06 (unit? unit=84&lesson=100)
- Sorting and Searching : 20 questions game 07 (unit? unit=84&lesson=101)
- Sorting and Searching : 20 questions game 08 (unit? unit=84&lesson=102)
- Quiz : Assignment 5 (assessment? name=264)
- Programming Assignment-1: Cab and walk (/noc20_cs35/progassignment? name=291)
- **Programming Assignment-2: End-Sort (/noc20_cs35/progassignment? name=292)**
- Programming Assignment-3: Semi Primes (/noc20_cs35/progassignment? name=293)
- Week 5 Feedback (unit? unit=84&lesson=294)

Week 6

Week 7

Week 8