A school is trying to take an annual photo of all the students. The students are asked to stand in a single file line in **non-decreasing order** by height. Let this ordering be represented by the integer array expected where expected[i] is the expected height of the ith student in line.

You are given an integer array heights representing the **current order** that the students are standing in. Each heights[i] is the height of the ith student in line (**0-indexed**).

Return *the****number of indices****where*heights[i] != expected[i].

**Example 1:**

**Input:** heights = [1,1,4,2,1,3]

**Output:** 3

**Explanation:**

heights: [1,1,4,2,1,3]

expected: [1,1,1,2,3,4]

Indices 2, 4, and 5 do not match.

class Solution {

public int heightChecker(int[] heights) {

int[] tmp=heights.clone();

Arrays.sort(tmp);

int ans=0;

for(int i=0;i<heights.length; i++)

{

if(heights[i]!=tmp[i])

ans++;

}

return ans;

}

}

[OR]

class Solution {

public int heightChecker(int[] heights) {

int[] newHeights = new int[heights.length];

for(int i=0; i<heights.length; i++){

newHeights[i] = heights[i];

}

Arrays.sort(heights);

int count = 0;

for(int i=0; i<heights.length; i++){

if(newHeights[i] != heights[i]){

count++;

}

}

return count;

}

}

