TCS Coding Question Day 1 Slot 2 – Question 1

Given an integer array Arr of size N the task is to find the count of elements whose value is greater than all of its prior elements.

Note : 1st element of the array should be considered in the count of the result.

For example,
Arr[]={7,4,8,2,9}
As 7 is the first element, it will consider in the result.
8 and 9 are also the elements that are greater than all of its previous elements.
Since total of 3 elements is present in the array that meets the condition.
Hence the output = 3.
Example 1:

Input
5 -> Value of N, represents size of Arr
7-> Value of Arr[0]
4 -> Value of Arr[1]
8-> Value of Arr[2]
2-> Value of Arr[3]
9-> Value of Arr[4]

Output :
3

Example 2:
5   -> Value of N, represents size of Arr
3 -> Value of Arr[0]
4 -> Value of Arr[1]
5 -> Value of Arr[2]
8 -> Value of Arr[3]
9 -> Value of Arr[4]

Output :
5

Constraints

- 1<=N<=20

- 1<=Arr[i]<=10000

Solution

import sys

n=int(input())

c=0

m=-sys.maxsize-1

```python
while n:
    n-=1
    a=int(input())
    if a>m:
        m=a
        c+=1
print(c)
```