

## Bosses of the array

### Problem statement :

Write a Program to print number of Bosses of the Array. An element is said to be Boss,

If It is **Strictly** Greater than all the element right side to it.

And the Last element(Right most element) of the array is always a Boss.

### Input Format

- First line of input contain **T** no of testcases
- First line of each testcase contain **N** size of the array
- Second line of each testcase contain **N** no of positive integers

### Constraints

- $1 \leq T \leq 1000$
- $0 \leq N \leq 10^7$
- $0 \leq A[i] \leq 10^7$

### Output Format

- For each testcase output the number of Bosses in The array

### Sample Input 0

```
1616 17 4 3 5 2
```

### Sample Output 0

```
3
```

### Sample Input 1

```
161 2 3 4 5 2
```

### Sample Output 1

```
2
```

## C Program:

```
#include <stdio.h>
#include <string.h>
#include <math.h>
#include <stdlib.h>

int main() {

    /* Enter your code here. Read input from STDIN. Print
    output to STDOUT */
    int t;
    scanf("%d",&t);
    while(t--)
    {
        int n;
        scanf("%d",&n);
        int i;
        int a[n];
        for(i=0;i<n;i++)
        {
            scanf("%d",&a[i]);
        }
        if(n==0)
        {
            printf("%d\n",0);
        }
        else
        {
            int maxi=a[n-1],count=1;
            for(i=n-2;i>=0;i--)
            {
                if(a[i]>maxi)
                {
                    count++;
                    maxi=a[i];
                }
            }
            printf("%d\n",count);
        }
    }
    return 0;
}
```

### Java Program:

```
import java.util.Scanner;

public class bosses {
    public static void main(String[] args) {
        int n,i;
        Scanner sc=new Scanner(System.in);
        int t=sc.nextInt();
        while(t!=0)
        {
            n=sc.nextInt();
            int[] arr =new int [n];
            for(i=0;i<n;i++)
            {
                arr[i]=sc.nextInt();
            }
            if(n==0)
                System.out.println(0);
            else
            {
                int maxi=arr[n-1],count=1;
                for(i=n-2;i>=0;i--)
                {
                    if(arr[i]>maxi)
                    {
                        count++;
                        maxi=arr[i];
                    }
                }
                System.out.println(count);
            }
            t=t-1;
        }
    }
}
```

### Python Code:

```
Test_Cases=int(input())
```

```
for tests in range(Test_Cases):
    n=int(input())
    array=list(map(int,input().split()))
    if(n==0):
        print(0)
    else:
        boss_count=1 # Right most element is always Boss
        maximum=array[n-1]
        for i in range(n-1):
            if (i>maximum):
                boss_count+=1
                maximum=array[i]
        print(boss_count)
```