package day8;

import java.util.Scanner;

public class Peak\_Element {

public static int findPeakElement(int[] num) {

int max = num[0];

int index = 0;

for(int i=1; i<=num.length-2; i++){

int prev = num[i-1];

int curr = num[i];

int next = num[i+1];

if(curr > prev && curr > next && curr > max){

index = i;

max = curr;

}

}

if(num[num.length-1] > max){

System.out.println(num.length-1);

return num.length-1;

}

System.out.println(index);

return index;

}

public static void main(String[] args) {

Scanner s = new Scanner(System.in);

System.out.println("Enter the length of the array:");

int length = s.nextInt();

int [] myArray = new int[length];

System.out.println("Enter the elements of the array:");

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

myArray[i] = s.nextInt();

}

findPeakElement(myArray);

}

}