1.	Largest	elevent	in	an	aray

- set first element of array as the largest element (max_element)
- scan through the array of the current element is greater than
 - max-element, then set max-element to current element.
- Upon reaching the end of the away, we will obtain the largest element.

2. Second largest element in the array without sorting

- → Find max element of array
- -> calculate differences with all elements & marelement
- -> create a new away of the differences
- This index corresponds to the second largest element in original array

Multiple parses & extra memory

- element: the second largest.
- optimal whiten -> After finding the largest element check of current element is greater than the second largest element.
- Cjustone -> Take no action if cument element = largest element Pans of array

3. Check of away is sorted

Assume by sorted, we mean ascending order

Assume by sorted, we mean ascending order
1. for each element, athe array check if the proxima dement
1. for each element in the away cheek if the previous element is less than or equal. IF NOT away is not sorted.
4. Rétate Array by 1 place (left rétation)
12345
2 3 4 5 I
-> keep hold of first element
→ keep hold of first element -> shift second to last element by 1 place O(n) -> copy first element to last pontion.
to copy first element to last pointion.
() ()
(left) 5. Rôtate array by 'D' Places
OF THE ROLL WILLIAM SHE DE PILLOS
0 1 2 3 4
12345
Rotate by = D. Size of array
i= 0 1 2 3 4
e.g. Rotak by 3 elements 1 2 3 4 5
Time Space
i= 0 1 2 new index = i - D (N-D) D(D)
$t = \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{3} \frac{1}{3$
₹ N - D
45123
→ (N-D)+i



