

QUE:
Find the Second Largest Element in an Array
Write a program to find the second-largest element in an array of integers without using any sorting algorithms or built-in array functions.
Instructions: Traverse the array manually to find both the largest and second-largest elements

ANS:

```
function findSecondLargestInArray(arr) {  
    if (arr.length < 2) {  
        return "No Element Found";  
    }  
  
    let firstele = -Infinity;  
    let secondele = -Infinity;  
  
    for (let numb of arr) {  
        if (numb > firstele) {  
            secondele = firstele;  
            firstele = numb;  
        } else if (numb > secondele && numb !== firstele) {  
            secondele = numb;  
        }  
    }  
  
    return secondele === -Infinity ? " There is no second largest element found in the array." :  
    secondele;  
}  
let input = prompt("Enter the elements of the array:");  
let arr = input.split(" ").map(Number);  
  
let result = findSecondLargest(arr);  
alert("The second largest element is: " + result);
```

Sample Input1: 7 6 8 5 3

Sample Output1:The second largest element is: 7

Sample Input2: 0 0

Sample Output2: The second largest element is: There is no second largest element found in the array.

Sample Input3: -7 -4 0 3

Sample Output: The second largest element is: 0