

## 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.

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### CODE IN JAVASCRIPT:

```
function secondlargest(hash) {
  if (hash.length < 2) {
    return "No Element.";
  }

  let fl = -Infinity;
  let sl = -Infinity;

  for (let ele of hash) {
    if (ele > fl) {
      sl = fl;
      fl = ele;
    } else if (ele > sl && ele !== fl) {
      sl = ele;
    }
  }

  return sl === -Infinity ? " There is no second largest element in the array." : sl;
}

let input = prompt("Enter the elements of the array:");
let hash = input.split(" ").map(Number);

let agile = secondlargest(hash);
alert("The second largest element is: " + agile);
```

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SAMPLE INPUT 1: Enter the elements of the array:0 1 2 3 4 5 6 7

SAMPLE OUTPUT 1: The second largest element is: 6

SAMPLE INPUT 2: Enter the elements of the array:2 2 2 2 2 2 2

SAMPLE OUTPUT 2: The second largest element is: There is no second largest element in the array.

SAMPLE INPUT 3: Enter the elements of the array:-48 -76 -5 -4

SAMPLE OUTPUT 3:The second largest element is: -5

SAMPLE INPUT 4: Enter the elements of the array:-56 -89 56 0 -36

SAMPLE OUTPUT 4: The second largest element is: 0

SAMPLE INPUT 5: Enter the elements of the array:1

SAMPLE OUTPUT 5:The second largest element is: No Element.