

Week 13 Lab

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Due Sunday by 11:59pm **Points** 45 **Submitting** a file upload **File Types** js
Available Nov 15 at 12am - Nov 21 at 11:59pm 7 days

Write a JavaScript function that takes an array of numbers as argument and returns the largest number in the array.

- a) (15pt) Implement the function using a loop statement.
- b) (15pt) Implement the function using the [forEach\(\)](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/forEach) (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/forEach) method in Array.
- c) (15pt) Implement the function using the [reduce\(\)](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce) (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce) method in Array.

Please put all your code in a .js file. Use different names for the different implementations of the function, e.g. max1(), max2(), and max3(). Include at least one test case for each implementation, e.g.

```
console.log( max1([3,5,4,6,5]) );
```

And upload the .js file to Canvas.