Week 13 Lab ⩗

This assignment was locked Nov 20, 2022 at 11:59pm.

For a,b and c write a JavaScript function that takes an array of numbers as argument and returns the largest number in the array.

a) (5pt) Implement the function using a loop statement.

b) (5pt) Implement the function using the **forEach() (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/forEach)** method in Array.

c) (10pt) Implement the function using the **reduce() (https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/Reduce)** method in Array.

d) (10pt) Write a function called countingWords(ignore case) which takes an array as a parameter and it counts the number of times they are present in the following array:

       ['hi', 'hi', 'hello', 'world', 'hello', 'hi', 'greetings', 'World']

e) (15pt) Write a function called getTotalSumArray which takes an array as a parameter and sums all the numbers in the following array: [5, 2, 'a', 4, '7', true, 'b', 'c', 7, '8', false]

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.