1. **Quick Question #1**

**What does the following code return?**

* new Set([1,1,2,2,3,4])

Set (4) {1 , 2, 3, 4}

1. **Quick Question #2**

**What does the following code return?**

* [...new Set("referee")].join("")

“ref”

1. **Quick Questions #3**

**What does the Map m look like after running the following code?**

* let m = new Map();

m.set([1,2,3], true);

m.set([1,2,3], false);

0: {Array(3) => true}

1: {Array(3) => false}

1. **hasDuplicate**

**Write a function called hasDuplicate which accepts an array and returns true or false if that array contains a duplicate**

* hasDuplicate([1,3,2,1]) // true

hasDuplicate([1,5,-1,4]) // false

vowelCount

function hasDuplicates(arr) {

return new Set(arr).size !== arr.length;

}

1. **Write a function called vowelCount which accepts a string and returns a map where the keys are numbers and the values are the count of the vowels in the string.**

* vowelCount('awesome') // Map { 'a' => 1, 'e' => 2, 'o' => 1 }

vowelCount('Colt') // Map { 'o' => 1 }

function isVowel(char){

return "aeiou".includes(char);

}

function vowelCount(str){

const vowelMap = new Map();

for(let char of str){

let lowerCaseChar = char.toLowerCase()

if(isVowel(lowerCaseChar)){

if(vowelMap.has(lowerCaseChar)){

vowelMap.set(lowerCaseChar, vowelMap.get(lowerCaseChar) + 1);

} else {

vowelMap.set(lowerCaseChar, 1);

}

}

}

return vowelMap;

}