:QUIZ ONE

MEDA Cohort Spring 2021; Instructor Eduardo Garcia

QUIZ ONE

Create your own find function. (2 points)

While JavaScript has a find() function for arrays, you will be creating your own for this challenge.

This function will be called "**quizFind()**". It should accept **two arguments**, an array in the first argument, and the item to search for in the second argument.

Your function will **return the index number** of where it found the item in the array provided as an argument. If it does not find it, it should **return a -1** instead.

Please Note: Your quizFind() function should work with *any* data types. Arrays and Objects being the exception.

Bonus Challenge: make your quizFind() work with Arrays and Objects.

Examples of use:

```
quizFind([3, 4, 10], 10);
```

This function call will return a 2, since the number 10 is found in index 2 of the array provided.

```
quizFind([1, 1, 0, 3, 5]), 6);
```

This function call will return a -1, since the number 6 was not found in the array provided.

Create a function that will pick unique random numbers for a lottery ticket. (3 points)

This function will be called "**quizLotto()**". It should accept **zero arguments**.

Your function should **return an array of 6 numbers**. The first five numbers should be between 1 and 59. The last number in the array can only be between 1 and 35.

Please Note: In a lottery ticket, it is impossible to pick the same number twice for the first five numbers! Make sure your numbers are unique. The "powerball" number can be the same as any of the other five numbers.

Bonus Challenge: Organize the first 5 numbers in the array from smallest to largest.

Possible arrays created by your function:

[4, 9, 29, 38, 1, 9]

[4, 3, 57, 8, 2, 12]

[7, 43, 32, 3, 44, 7] *Note that the last number CAN be the same as any of the first 5 numbers.*

Impossible arrays that should not be created by your function:

[0, 39, 30, 49, 2, 36]

There is no 0 option in a lottery ticket. The range of the powerball number is only 1 to 35.

[1, 3, 49, 49, 3, 35]

You cannot select the same number twice in a lottery ticket (for the first five numbers).

RUBRIC

The grade for this assignment will be based on the two functions provided. The weight of quizFind() is 2 points or 40% of the quiz grade, the weight of quizLotto() is 3 points or 60% of the quiz grade.

Make sure you test it before you submit it!

QUIZ SUBMISSION

Place a file called "**quizFind.js**" inside of your homework folder (which will be inside of your repository). Push your repository with this file by March 31, 2021 11:59PM

NOTES