



JavaScript Practice Challenges

Problem Solving.

Project description.

Use your knowledge on JavaScript to work through the code challenges given in this document. Try to work through the challenges without consulting from any resources online or from a colleague. Aim to have a solution before you google or consult this will help you learn quite a lot and also help you build your problem solving skills in JavaScript .

You can use Vanilla JavaScript to complete these code challenges. Vanilla JS is recommended because that is what the lessons have covered so far and you should get some practice with it.

Prerequisites.

- You should have covered the JS basics.
- Personal research and prior practice on JavaScript will help you a lot.
- You should create one github repo for these challenges. Create separate files for each challenge's solution.

Submission deadline:

Monday 14th March 2022

Code Challenges

1. Write a function named **fizzBuzz** that takes in two(2) parameters which are expected to be strings. The function should return the string **Fizz** if the combined length of the parameters is divisible by 3, the string **Buzz** if it is divisible by 5 and the string **FizzBuzz** if it is divisible by both 5 and 3.
2. Write a javascript program that **prompts** a user to enter their year of birth and in turn prints a string in the console stating whether the user is a **minor, a youth or an elder**. Anyone **below 18 years is a minor**, anyone **between 18 and 36 years of age is a youth** and the rest are elders.
3. Given an Array containing integers, floats and one character strings, write a function that takes an Array as a parameter and returns an Object with keys **evens**, **odds**, and **chars**. The value for evens is an array of sorted even numbers, the value for odds is a list of sorted odd numbers and chars is a list of sorted single character strings.

Example Input:

```
let someArray = [3.0, 'a', 7, 'x', '20', 'd', 4, 'f', 8]
```

Expected output:

```
{ evens: [4, 8, 20], odds: [3.0, 7], chars: ['a', 'd', 'f', 'x'] }
```