

# Full Stack Developer Assessment

**Please add a code comment for every logic & Use Git for Code management, and share a Public Repository with us.**

1) find duplicate and same values in two array

```
var fullWordList = ['1','2','3','4','5'];  
var wordsToRemove = ['1','2','3'];
```

2) longest-chain-of-letters-in-word-javascript

```
const word = '00000111110101001111100001001'
```

3) let obj1 = { "greeting": "hello" };

```
let obj2 = obj1;  
obj1["greeting"] = "Bye";  
console.log(obj1);  
console.log(obj2);
```

4) console.log("7" > 7)

```
console.log("2">"21")
```

```
console.log("KL">"S")
```

5) function average(a, b) {

```
  return a + b / 2;  
}
```

```
console.log(average(2, 1));
```

===== Fullstack test complete =====

**For dataBase you can use MongoAtlas.**

## **6) For Node JS**

1) use Passport.js for User creation and authentication

2) Add middleware for Token

3) Example for Promise.all, resolve, reject

4) Example for Aggregate Lookup property

5) Example for populate on a array field (where show ref id in a array)

6) 4-5 Socket emit and On function example including socket connection.

7) Add indexing for Schema's

7) For React -

1) A class and a function component example ( please also use Typescript for function component: For example create interface for function Props)

2) use hooks to get update regarding any state value into function component.

3) Into function component show example for hooks

(useState,UseEffect,UseCallback, useContext)

4) create socket IO connectivity with node

5) create a Div reference and Using Div reference scroll into Div

6) Pass Data from 1 component to another component