Nama Kandidat: Taufik Romadhon

Posisi Yang Dilamar: Software Engineer

- **Code of index.html**

```html
<!DOCTYPE html>
<html lang="en">

  <head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Test Interview Quintal Taufik Romadhon</title>
  </head>

  <body>
    <div>
      <h1>Name of Candidate: Taufik Romadhon</h1>

      <div>
        <h3>1. Output for Sum of all elements inside the array</h3>
          <p>Sample array:</br>
              arrayInteger = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]</p>

        <p>Output:
          <script src="/sumArray.js"></script>
        </p>
      </div>

      <div>
        <h3>2. Output for index of specific element from an array</h3>
        <p>
            Sample array:<br>
            arrayInteger = [10, 23, 45, 92, 101, 102, 103, 10001]
        </p>
        <p>
            Input:<br>
            102
        </p>


        <p>Output:
          <script src="/indexOfArray.js"></script>
        </p>
      </div>
```

```html
    <div>
        <h3>3. Output of Counting the number of occurences of each element
from an array </h3>
        <p>Sample array:<br>
            arrayInteger = [5, 100, 12, 4, 5, 2, 12, 13]</p>
        <p>Output:
            <script src="/occurencesArray.js"></script>
        </p>
    </div>

    </div>
  </body>

</html>
```

- **Code of sumArray.js**

```javascript
const array1 = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
let sum = 0;

for (let i = 0; i < array1.length; i++) {
    sum += array1[i];
}
console.log(sum);
document.write("<br>");
document.write(sum);
```

- **Code of indexOfArray.js**

```javascript
var array2 = [10, 23, 45, 92, 101, 102, 103, 10001];
var input = 102 ;
var output;

if (input==10){
    output=1;
}
else if (input==10){
    output=array2.indexOf(10);
}
else if (input==23){
    output=array2.indexOf(23);
}
else if (input==45){
    output=array2.indexOf(45);
}
else if (input==92){
    output=array2.indexOf(92);
```

```
}
else if (input==101){
    output=array2.indexOf(101);
}
else if (input==102){
    output=array2.indexOf(102);
}
else if (input==103){
    output=array2.indexOf(103);
}
else if (input==1001){
    output=array2.indexOf(1001);
}
else{
    output="Error";
}

console.log(output);
document.write("<br>");
document.write(output);
```

- **Code of occurencesArray.js**

```
const array3 =  [5, 100, 12, 4, 5, 2, 12, 13];
const counts = {};

for (const element of array3) {
  if (counts[element]) {
    counts[element] += 1;
  } else {
    counts[element] = 1;
  }
}

console.log(counts);
document.write("<br>");
document.write(5," ", counts[5], 'x',"<br>");
document.write(100," ", counts[100], 'x',"<br>");
document.write(12," ", counts[12], 'x',"<br>");
document.write(4," ", counts[4], 'x',"<br>");
document.write(2," ", counts[2], 'x',"<br>");
document.write(13," ", counts[13], 'x',"<br>");
```

Link Github untuk tugas ini:

https://github.com/Taufikromadhon/Quintal-test.git