

Nama Kandidat: Taufik Romadhon

Posisi Yang Dilamar: Software Engineer

- **Code of index.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>
    </div>
  </body>
</html>
```

```

    <div>
      <h3>3. Output of Counting the number of occurrences 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**

```

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**

```

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

if (input==10){
  output=0;
}
else if (input==23){
  output=1;
}
else if (input==45){
  output=2;
}
else if (input==92){
  output=3;
}
else if (input==101){
  output=4;
}

```

```

}
else if (input==102){
    output=5;
}
else if (input==103){
    output=6;
}
else if (input==1001){
    output=7;
}
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>