**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>

        <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**

*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=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