Lab

1. Create an Array with 6 elements ("Honda", "Toyota", "BMW",1, 2, 3.123) by using Array literal. Show your code here:

```
<script>

  let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];

</script>
```

2. Print out the length of the Array above on your browser. Show your code here.

```
<script>

  let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];

  document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');

</script>
```

3. Print out the data type of the first element ("Honda") on your browser by using its index. Show your code here.

```
<script>

  let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
  document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');

  document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');

</script>
```

4. Print out the last element of the Array (3.123) to console by using the length property. Show your code here.

```
<script>

  let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
  document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');
  document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');

  console.log(arr1[arr1.length - 1]);

</script>
```

5. Insert one element ("CSCI165") after the last element (3.123) and then print out the current Array to console. Show your code here.

```
<script>

    let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
    document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');
    document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');
    console.log(arr1[arr1.length - 1]);

    arr1.push('CSCI165');
    console.log(arr1);

</script>
```

6. Insert three elements ("HTML", "CSS", "JavaScript") at the beginning of the Array and then printer out the current Array on your browser. Show your code here.

```
<script>

let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
    document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');
    document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');
    console.log(arr1[arr1.length - 1]);
    arr1.push('CSCI165');
    console.log(arr1);

    arr1.unshift('HTML', 'CSS', 'JavaScript');
    document.write("New Array: " + arr1 + '<br>' + '<br>');

</script>
```

7. Remove the last element from your Array and then printer out the current Array on your console. Show your code here.

```
<script>

    let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
    document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');
    document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');
    console.log(arr1[arr1.length - 1]);
    arr1.push('CSCI165');
    console.log(arr1);
    arr1.unshift('HTML', 'CSS', 'JavaScript');
    document.write("New Array: " + arr1 + '<br>' + '<br>');


    arr1.pop() ;
    console.log(arr1) ;

</script>
```

8. Use the 'for' loop to print out your current array on your browser. Show your code here.

```
<script>

    let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];
    document.write("Length of the Array: " + arr1.length + '<br>' + '<br>');
    document.write('Data type of the first element: ' + typeof arr1[0] + '<br>' + '<br>');
    console.log(arr1[arr1.length - 1]);
    arr1.push('CSCI165');
    console.log(arr1);
    arr1.unshift('HTML', 'CSS', 'JavaScript');
    document.write("New Array: " + arr1 + '<br>' + '<br>');
    arr1.pop() ;
    console.log(arr1) ;

    for (let i = 0 ; i < arr1.length ; i++)
    {
        document.write(arr1[i] + '<br>');
    }

</script>
```