**Lab**

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

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| <script>  let arr1 = ["Honda", "Toyota", 'BMW', 1, 2, 3.123];  </script> |

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

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

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

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| <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> |

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

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| <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> |

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

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| <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> |

1. 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.

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| <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> |

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

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| <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> |

1. Use the ‘for’ loop to print out your current array on your browser. Show your code here.

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| <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> |