

## CPSC 217 - Advanced Web Programming

### Assignment 05 (30 points)

*LastName, FirstName*

#### Objectives:

- Work with JavaScript
- Work with Functions
- Work with Arrays and Numbers
- Work with Repetition, Conditional, and Jump Statements

#### Tools

- Visual Studio Code

**Q1.** Write a function called **negativeArray** that takes one parameter **myArray**, where **myArray** is an array. The function should return the negation of all elements in **myArray** (6 Points)

Example: `negativeArray([ 1, 2, 3, 4]); // => [ -1, -2, -3, -4 ]`

Example: `negativeArray([ -1, 2, 3, -4]); // => [ 1, -2, -3, 4 ]`

**Q2.** Write a function called **numIndex** that takes two parameter **myArray** and **n**, where **myArray** is an array and **n** is a number. The function should return an array of matching indexes for all occurrences of the number **n** in array **myArray** (8 Points)

Example: `numIndex([ 6, 4, 6, 6, 5, 2 ], 6); // => [ 0, 2, 3 ]`

**Q3.** Given the following array, [CPSC 110, CPSC 130, CPSC 146, CPSC 207, CPSC 217, CPSC 246], generate the following HTML content (8Points)

```
<h4>CPSC Courses</h4>
<ul>
  <li>CPSC 110</li>
  <li>CPSC 130</li>
  <li>CPSC 146</li>
  <li>CPSC 207</li>
  <li>CPSC 217</li>
  <li>CPSC 246</li>
</ul>
```

**Q4.** Write a function called **removeDuplicate** that takes one parameter, **myArray** as an array. The function should return a copy from **myArray** where each value in the new array is unique (no duplicates) – (use for loop) (8 Points)

Example: `removeDuplicate([1,2,3,2,4,5,6,4,3,1,6,3,2,4,5,2,3]); // => [ 1, 2, 3, 4, 5, 6 ]`