

# CSCI-101 Programming 1

## Week of Oct 23 - Lab 10e

### INSTRUCTIONS

Add the following static methods to the **IntArray** class.

1. A method named **union** that takes two arrays of integers as arguments and returns an array of integers containing all of the elements that are in either of the arrays that are passed into the method, without any duplicates.
2. A method named **intersection** that takes two arrays of integers as arguments and returns an array of integers containing all of the elements that are in both of the arrays that are passed into the method.
3. A method named **difference** that takes two arrays of integers as arguments and returns an array of integers containing the elements that are in the first array but are not in the second array.

Add code to **ArrayTest** to verify that the new methods work properly.