**Lab Worksheet 04**

Please complete all the problems described below

1. We used generic programming in class to abstract the use of an array such that we could sort an array regardless of the type. The task for you now is to further develop the generic array class such that it uses **bubbleSort()**, and **insertionSort()**. Get both of these methods to work with multiple array types and test this in an application class.
2. Create your own class that implements Comparable. This means you will have to create your own compareTo method.
   1. The class you create should take multiple attributes (for example a staff member with a staff ID, a name, an age, a height etc.)
   2. Your class should define different compareTo behaviour such that you can choose which attributes are compared (i.e. you can choose to compare based on height, alphabetical ordering of names, or age.
   3. Now create a GenericArray containing your custom class and test out the sorting functionality.