CSCI-101 Programming 1
Week of Oct 23 - Lab 10a

INSTRUCTIONS

Create a directory named lab10 in your labs directory. Inside your **Lab10** directory add a class named **IntArray** that contains the following methods.

I. A **static** method named **create** that takes a variable number of integers (**varargs**) as arguments and returns a new array containing the elements that are passed into the method.

II. A **static** method named **print** that takes an array of integers as an argument and prints to the screen, on a single line, the integers in the array, with spaces between them.

III. A **static** method named **max** that takes an array of integers as an argument and returns the largest element in the array that is passed into the method.

IV. A **static** method named **min** that takes an array of integers as an argument and returns the smallest element in the array that is passed into the method.

V. A **static** method named **contains** that has two parameters. The first is an array of integers named **array** and the second is an integer named **k**. The method returns **true** if the value in **k** is in **array**; otherwise the method returns **false**.

VI. A **static** method named **count** that has two parameters. The first is an array of integers named **array** and the second is an integer named **k**. The method returns the number of elements in **array** that have the value equal to **k**.

VII. A **static** method named **clone** that takes an array of integers as an argument and returns a new array containing the elements in the array that is passed into the method.