**ICS 108 – Object-Oriented Programming**

**Lab # 3 –Arrays**

**Objectives:**

In this lab, the following topic will be covered:

1. Arrays

**Task**

The arrays list1 and list2 are equal if they have the same elements in the same order. Write a method that returns true if list1 and list2 are equal, using the following header:

**public static boolean equals(int[] list1, int[] list2)**

Write a test program that prompts the user to enter two lists of integers and displays whether the two are identical. Here are the sample runs. Note the first number in the input for each list indicates the number of the elements in the list. This number is not part of the list.

Here are sample runs

Enter list1 size

5

Enter list1

2 5 6 6 1

Enter list2 size

5

Enter list2

2 5 6 6 1

list1 and list2 are equal

Enter list1 size

5

Enter list1

5 5 6 6 1

Enter list2 size

5

Enter list2

5 6 1 6 5

list1 and list2 are not equal

Enter list1 size

4

Enter list1

5 5 6 6

Enter list2 size

5

Enter list2

5 5 6 6 1

list1 and list2 are not equal