**CSCI 230 – Data Structures and Algorithms  
Fall 2019  
Lab 4: Recursion**

**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Exercise 1**

Implement Linear Search with recursion based on the method signature given below.

private static int linearSearch(Object[] items, Object target, int posFirst) {

**Exercise 2**

Implement Binary Search with recursion based on the method signature given below:

private static int binarySearch(Object items[], Comparable target, int first, int last){