

Program 2: Recursive Linear Search

Due date: Monday, 03/02/20 @ 11:59pm

Modify the LinearArray.java file to add a recursive method `recursiveLinearSearch` to perform a linear search of the array. The method should receive the search key and starting index as arguments. If the search key is found, return its index in the array; otherwise, return -1. Each call to the recursive method should check one index in the array.

Modify the LinearSearchTest.java file to test your recursive method.

IMPORTANT

Follow the various style conventions we've discussed in class (variable naming, constants, spaces, etc) including putting comments in your program.

1. The program must compile without errors.
2. Your program must have the following comments at the top. Don't forget to include them because they will count toward the grade of this lab.

```
/*  
*****  
* First and Last Name  CSCI 6305.01 Spring 2020   Program 2: Recursive Linear Search  *  
*****  
*/
```

3. Name your program files as `RecursiveLinearSearch_lastnameFirstname.java` and `RecursiveLinearSearchTest_lastnameFirstname.java`.
4. When done, submit your file via blackboard.