CIT 591 – Homework 4
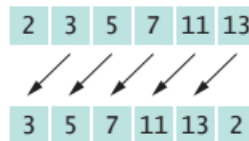
Part 1 – Theory (15 points)

Please do the following REVIEW EXERCISES from the class textbook:

Give pseudocode for an algorithm that rotates the elements of an array by one position, moving the initial element to the end of the array, like this:

| 2 | 3 | 5 | 7 | 11 | 13 |

| 3 | 5 | 7 | 11 | 13 | 2 |

How do you perform the following tasks with array lists in Java?

a. Test that two array lists contain the same elements in the same order.

b. Copy one array list to another.

c. Fill an array list with zeroes, overwriting all elements in it.

d. Remove all elements from an array list.

keep a track of current index.

get the length of the array

move first element to index place array.length.

decrement all values of current index to current index – 1.

(d)

3.What happens if you try to open a file for reading that doesn't exist? What happens if you try to open a file for writing that doesn't exist?

You need to surround a printerwriter object and file ouput with a try and catch bracket.

The try and catch will then inform the client if a file is not found with a throw declaration.