

SPRING 2007
CSC 120.02 Introduction to Computer Science

Assignment 7

Due: May 1, 2007

Quicksort

(20 points)

1. Make sure that your computer has Java SE JDK 6 from <http://java.sun.com> installed and selected for BlueJ. If it doesn't, install Java SE JDK 6.
2. Download QuickSortTextbook.zip from ANGEL
3. Unzip QuickSortTextbook.zip into BlueJ's examples directory
4. Open the QuickSortTextbook project in BlueJ
5. Open the editor window for the ListOfIntegers class. ListOfIntegers won't compile as is, because the Split method is not returning the splitPoint yet. Implement Split as described in your textbook, pp. 296-299. Swap elements of the list by invoking the Swap method. You are **not** allowed to use the `for(;;)` loops with `break`; and `continue`; like I did before.
6. Test and debug the resulting implementation of Quicksort.
7. From ANGEL, email me the text of your ListOfIntegers.java either by copying it and pasting the text into the body of the email message and choosing the plain text format, or by making a copy of the file, changing the copy's extension to .txt and emailing the renamed copy as an attachment. 20 points will be awarded for having submitted a correct code.