**Lab 7 and Extra Credit**  
**CSC 1052 - Algorithms and Data Structures II**  
**Grading: 40 points**  
**Due Date: December 7th, 2014**

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**Description:** For this assignment you will be creating a narrated 3-4 minute tutorial (preferably in mp4 format) on a CSC 1052 topic with a focus on one of the following: the description, use, importance, big O (if applicable), or implementation. The topics you may choose from include,

1. polymorphism and inheritance
2. interfaces and abstract classes
3. the static keyword
4. differences between public, private, protected, package private
5. recursion
6. generics in java
7. stacks
8. queues
9. selection sort and insertion sort
10. quicksort algorithm
11. mergesort algorithm
12. hashing

For screen recording software, you have several options:

All platforms: VLC, Powerpoint annotations, Camtasia, cell phone cameras?.

For Mac: The built in Quicktime program can record video and audio

For Windows: You may look into SnagIt, Jing, etc.

For Linux: A good freeware is RecordMyDesktop

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**Note:** Video recording of you and pen and paper, or other demonstrations are viable (and interesting) alternatives to screen recording.

**Rubric:**

(40 points) A 3-4 minute tutorial on a topic of your choosing from the list above.

**Extra Credit:**

For every additional tutorial that you create you can earn anywhere from 0.5 (good) to 1.0 (exceptional video) percentage points to your *FINAL* grade. You can create up to 3 additional tutorial
videos; however, one of them **MUST be recursion**.

**Deliverables:** Submit on the CSC website, or email me a dropbox / google drive link to edward-kim.ek@gmail.com