# CMSC 132, Week 4, Lab1

## Notes for TAs

* 1. Make sure that you access the lab material days before the lab (do not wait until the day before as CS servers may be down).
  2. If you see any errors in the material provided, let us know immediately.

## Current Project

Address any questions about the current project (do not spend more than 5 minutes).

## Comparator

1. Go over the following information regarding the **Comparator** interface. We will not cover it in lecture.

**Comparator**

public int compare(T a, T b)

Negative if a < b, 0 if a == b, positive if a > b

**Properties**

Imposes total ordering on objects of a class

Provide alternatives to natural ordering

Supports generics

Example: class myC implements Comparator<Foo>{ … }

Use as parameter for sort function

Example: Collections.sort(myFooList, new myC( ) );

1. Go over the following examples:

<http://www.cs.umd.edu/class/fall2018/cmsc132/labs/Week4/ComparatorCode.zip>

Provide this link to the students (feel free to post it in Piazza).

## In-Lab Office Hours

* 1. Hold in-lab office hours if you have any time left. Any students without any questions can leave.
  2. Address any questions students may have. Don’t stay sitting at the front desk; go around asking students

whether they have any questions.