# Java II - Java I Topics Review

# Summary

The goal of this lab is to refresh some of the skills you learned in Java I, and introduce the following new ideas:

1. Introduce collections using ArrayList
2. Working with dates
3. Relationships (associations) between objects.
4. Implement the min/max algorithm

You will be constructing a program, which will allow an investor to track his/her investments. We will limit the lab to just tracking CD investments.

# Lab

Use the supplied “ClassDiagram.pdf”, Java doc, “TestCases.xlsx”, and “BrokerOutput.txt” as your specification for the program. Computed values should match the sample values I provide, and your output from Broker.java should match the provided sample.

**CD.java** – The CD class is utilized to compute several investment metrics related to CD returns. This class is a simplified representation of a CD investment. Consider starting with this class, and utilize your unit testing skills to build it. Check your code against TestCases.xlsx.

**Portfolio.java** – The Portfolio object represents the CD holdings for one or more investors. Notice, it contains two methods which require you to write an implementation of the min/max algorithm – findCDWithMaxMaturityValue() and findCDMaturingSoonest().

**Owner.java** -- The Owner class represents the owner of a portfolio.

**Broker.java** – The Broker class which contains the main method and is used to simulate the sample portfolio(s). The output from this class should match the sample "BrokerOutput.txt"