



AP Computer Science
Agenda
Week of January 5th–9th

Getting Started:

It will take some time to get the new iMacs properly configured for our use. During that time, if you cannot work on the other assignments in this section, you should work diligently on the CodingBat problems. You can log into any iMac as a Guest to access the browsers

Assignments:

1. CodingBat: Problem Set #9: Challenging Arrays (Due 1/12/15)
2. Working with Arrays: Part II (Due 1/12/15)
 - a. Update your testLib.jar from the Libraries folder on the NAS Drive (See “Connecting to the NAS Drive” below)
 - b. Copy the file “ArraysPartII.java” into your “`myLib`” package
 - c. Copy the methods with their JavaDoc comments from “ArraysPartII.java” to your “Arrays.java” file located in your “`myLib`” package
 - d. Copy the file “RunArrays_2_UnitTest.java” into your “`myLib`” package
 - e. Read the “Working with Arrays: Part II” PDF online
 - f. Finish the assignment by completing each of the new methods, using the new test unit to evaluate your progress. (Read the code comments for changes in usage)
3. Complete the Sorting Worksheet (Due 1/16/15)
 - a. Read the “Arrays: Introduction to Sorting” PDF online.
 - b. Get the “Sorting Worksheet” in your preferred format:
 - i. MS-Word .docx format (allows you to type data directly into the document)
 - ii. Adobe .pdf format (you will have to print a copy at home to fill out)
 - iii. Request a printed copy by signing the request sheet in the classroom.
 - c. Copy the file “SortingTools.java” into your “`myLib`” package
 - d. Copy the file “Sort.java” into your “`myLib`” package
 - e. Copy the file “RunSortTests.java” into your “`myLib`” package
 - f. For each Sort method (Selection, Insertion, Merge):
 - i. Read the “Arrays: Sort” PDF online for the sorting method
 - ii. Complete the code for the for that method in the “Sort” class
 - iii. Use the “RunSortTests” class to gather and record data for that sorting method on the “Sorting Worksheet”

Connecting to the NAS Drive:

1. From the “Go” menu, select “Connect to Server...”
2. Enter “smb://172.16.32.2/” in the “Server Address:” field and click “Connect”
3. Enter your username and password in the fields and click “connect”
4. From the list of network shares, check the boxes for: “home” and “AP_CompSci” then click “OK”