



“There are three types of lies -- lies, damn lies, and statistics.”  
– **Benjamin Disraeli**

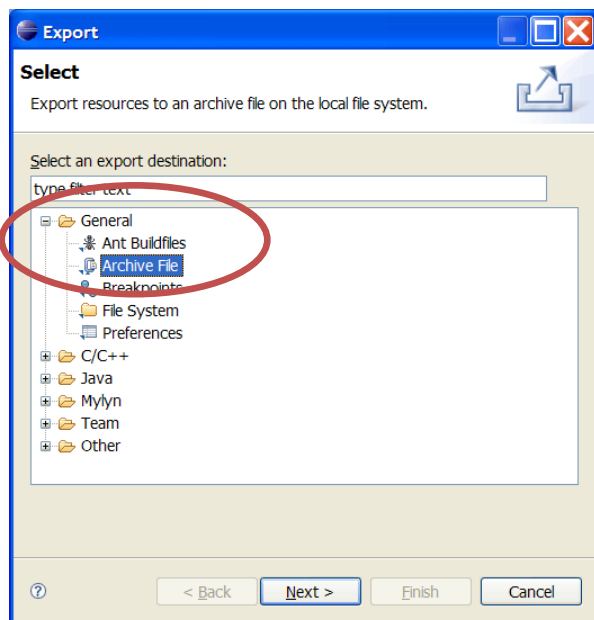
In this lab, we review a few fundamental concepts about the Java ....

1. If you are working on your own box (computer), make sure you download and install the Java SE JDK (Java Developers Kit) version 14.0.2.
2. Start Eclipse, and point (browse to) the CS120 workspace folder.
3. In eclipse, create a new java project folder named *00userid* where *userid* is your Austin College Network ID. For example, Rusty Buckle's userid is rbuckle15. His first CS120 project would be named *00rbuckle15*.
4. Create an application that prompts the user for variable length series of positive numeric values. We cannot know how many. Do not assume. So prompt (from System.in) the user until they provide a negative value.
5. Refer to the 5 pages at the following:  
<http://web.mnstate.edu/peil/MDEV102/U4/S36/S36.html>
6. Given the series of numbers, compute and report (nicely formatted to System.out) a **statistical summary** including the following:
  - a. Smallest number (min)
  - b. Largest number (max)
  - c. Median value
  - d. Mean (average)
  - e. Standard Deviation
  - f. First quartile (Q1)
  - g. Third quartile (Q2)
  - h. Range
  - i. Interquartile range
7. See course commenting guidelines posted in moodle. Be sure to fully comment your code in compliance with our CS120 guidelines.

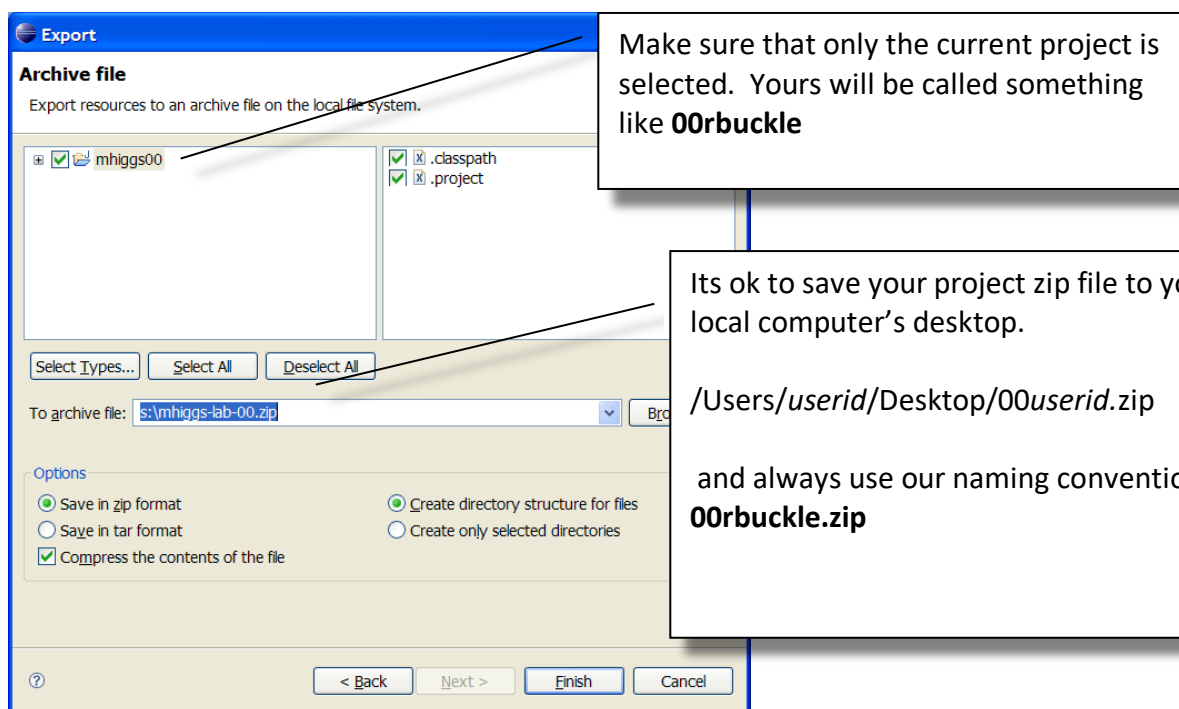
## Submit Your Work Electronically

You will need to submit your lab work electronically through Moodle.

1. Be sure to save/close all your files in your current Eclipse project. Inside the *package explorer* view (upper left window pane/tab), select the current project and right click the mouse button. Select the EXPORT menu item in the popup menu.



2. In the export dialog, select the Archive File option from the General folder. We will be exporting your project to a compressed/zippped file. After selecting the “Archive File” option, click on the Next> button.



3. Make sure your project is selected. Specify **/Users/userid/Desktop/00userid.zip** for To archive file. The following options should be checked/selected:
  - Save in zip format,
  - ✓ Compress the contents of the file, and

- Create directory structure for files.

These are the default, so you only need to validate. See the image above.

4. Click on the **Finish** button. Eclipse will compress your project into a single file. Look on the mac desktop. The file is ready to submit.
5. Use your favorite web browser (Safari? Chrome?) to log on to Moodle ([moodle.austincollege.edu](http://moodle.austincollege.edu)) and navigate to our course/lab page.
6. Select (Click on) this lab assignment from the list of resources for this week, and follow the online instructions for uploading your compressed file.