# Setup

Create a new project called 2A *yourlastname* in Eclipse. Next, import the assignment files from my inbox as follows:

1. **File/Import**
2. **General/File System** (click **Next**)
3. Browse to assignment 2A in my outbox, select it, and click **OK**
4. Turn on the check box next to the folder (all items should get selected)
5. Click **Finish**

This will import some pre-written java files, and these instructions.

# Part I

Run **Names.java** in the default package. It prints the name and hometown of two students.

Change the program to print three more names and hometowns (in addition to the ones already there); one for yourself, and then for two classmates. (There should be five total)

Now add a third column for *Intended Major.* Assume Sally’s is Computer Science and Alexander’s is Math. Make sure the third column has a heading and is spaced over and lined up using tab characters.

# Part II

Run **PlusTest.java.** It uses the **+** operator for both numeric addition, and string concatenation.

Line 16 is doing concatenation even though numbers are being used.

Line 18 is doing numeric addition because of the parenthesis.

Line 20 is doing numeric addition because the numbers come first.

Now, write a new Java program called **Birds.** Use only one System.out.println statement to print:

Ten robins plus 13 canaries is 23 birds.

The statement must use both string concatenation **and** numeric addition to get the job done.

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# Part III

Write a new program called **Grades.** Have it print the following table.

///////////////////\\\\\\\\\\\\\\\\\\\

== Student Points ==

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Name Lab Bonus Total

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Joe 43 7 50

William 50 8 58

Mary Sue 39 10 49

Requirements for the table:

1. The border at the top must have the same number of forwards and backwards slashes as shown.
2. The columns must be lined up.
3. Both numeric addition and string concatenation must be used at least once.
4. Feel free to change the names and numbers.