CS150 - Lab Prep 1
Due: Friday Sept. 14, at the beginning of lab

This is a short assignment to make sure everything is setup for our first lab. It shouldn't take long, but it may require you to come in to the lab in MBH 505, where class is held.

1   Getting your environment setup

You have two options for working on your assignments for this class. You can work on your own laptop or you can work on the lab computers in MBH 505. For this assignment, you'll need to decide which you'd like to do, though you can change down the road.

Follow the instructions below for whichever you choose.

For laptop users

First, install Python and Wing IDE. See the course web-page resources section at the bottom for instructions on how to install Python and Wing IDE. I can help you if you get stuck, but please don't wait until the last minute (i.e. lab on Friday) to try and install everything in case you get stuck.

- Create a new directory on your desktop called **cs150** (or somewhere where you will remember and can store all your work for the class)

- Create a new directory within the **cs150** folder called **assignment1** (in preparation for the first assignment on Friday)

For lab computer users

You'll need to go into the lab to finish the lab prep. You should have an account on the computer science machines. This account uses the same username and password as your general Middlebury account, however, it is a separate account. Files that you store on these computers will not be accessible when not in the lab and vice versa. See the course web page or come talk to me if you

ever want to transfer files in between the two (though e-mailing them to yourself is also an easy solution).

Login to one of the lab computers then do the following:

- Create a new directory on your desktop called **cs150** (or somewhere where you will remember and can store all your work for the class)

  Right-click on the Desktop (if you only have a one-button mouse hold the `control` key and click) and select `New Folder`. Click on this newly created folder (it will be called something like "untitled folder") and then hit `return/enter`. This allows you to edit the folder name. Type "cs150" and hit `return/enter` again.

- Create a new directory within the **cs150** folder called **assignment1** (in preparation for the first assignment on Friday)

  If you double-click on your newly created `cs150` folder it will open up `Finder`, which is Mac's file browser. You should be in your `cs150` directory, but if you ever need to navigate to it, you can click on the `Desktop` link under `Places` on the left and then double click on the folder from there.
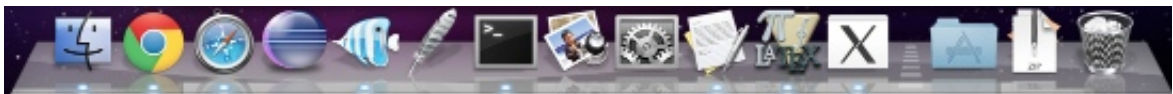
  Once you're inside your `cs150` folder, click on the icon that looks like a sprocket at the top of the window:

  and then select new `New Folder`. Within `Finder` you should just be able to start typing to rename the folder. Rename this new folder to "assignment1". If for some reason this doesn't rename it, as before, click on it then hit the `return/enter` key.

- Create a shortcut for WingIDE on the Dock at the bottom of the screen

  Mac includes shortcuts at the bottom of the screen call the "Dock" that allows you to launch applications, folders, etc. quickly. Below is a picture of my Dock:
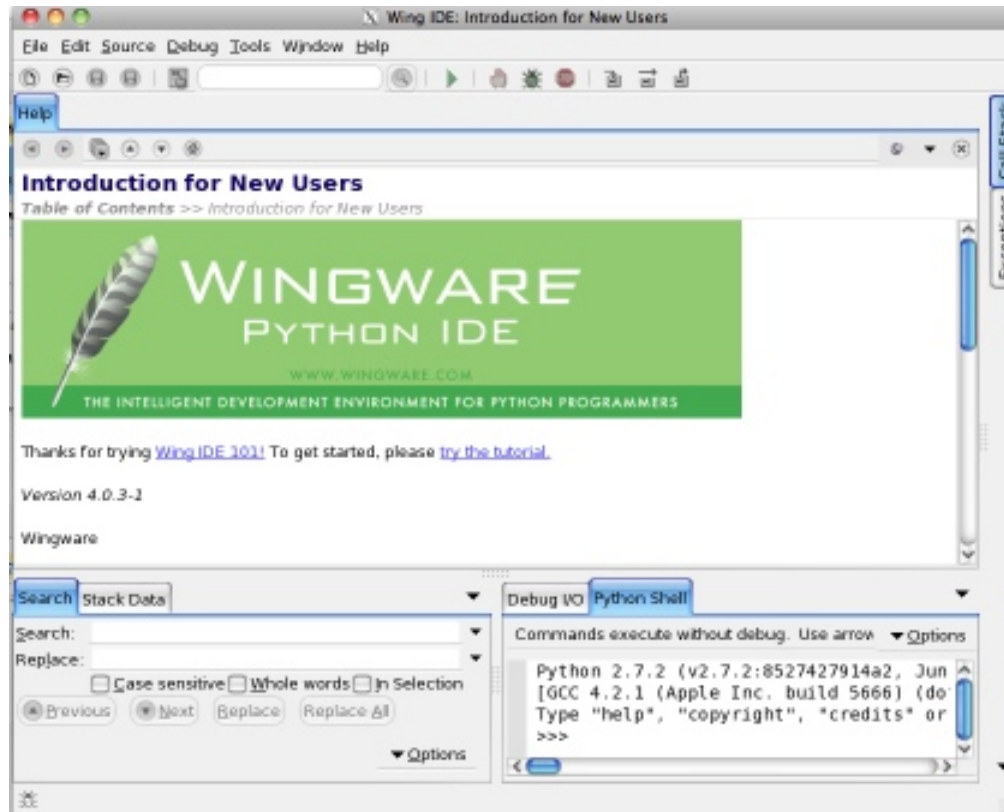

  We're going to add WingIDE to the dock for easy access (what does IDE stand for?).

  To add an application to the Dock, all we need to do is find it and then drag it over the Dock where we want it. The easiest way to do this is to *search* for the application we want. Click the magnifying glass at the top right corner (or type `command + space_bar`) and then type WingIDE. As you start to type you should see "WingIDE.app". Click and drag this into your Dock at the bottom of the screen to add it.

- You can now click on the logo in the Dock (it looks like a feather) and it starts the WingIDE. Go ahead and do this.

When you start WindIDE is should look something like:

If this screen comes then your Dock link for Wing worked!

You may occasionally print your programs from Wing. To try and save paper and be more environmentally friendly, we're going to try and print double-side by default. To set this up in Wing, do the following:

- Under the `Edit` menu, select `Preferences`

- Open up the `Editor` options select `Printing`

- Under `Print Spool Cmd` check "Use this command line:" and then enter the following:

  `/home/share/bin/lpr2 %s`

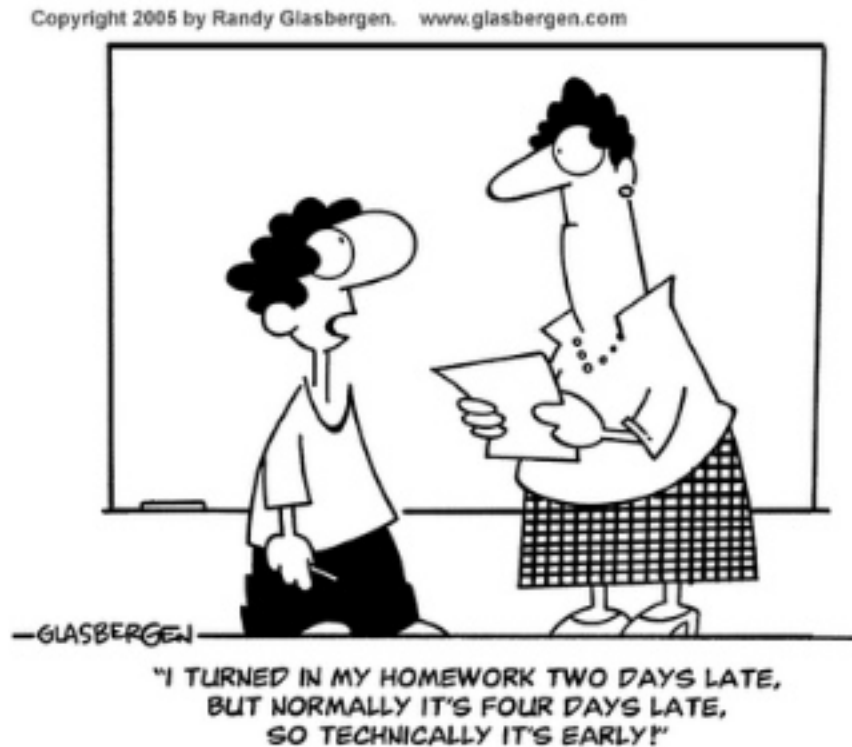After that, you're all done with the computer part and can quit Wing.

2   Lab access

Regardless of whether you're working on a laptop or in the lab, eventually you will be using the lab computers. Fill out the form online at:

3 Administrative issues

Read the administrative handout posted on the course web page about class policies.

4 When you're done

When you're all done, write your name, class number (including section), date and lab prep number at the top of the paper. Answer the following questions on this paper and bring it to class on Friday.

1. What does IDE stand for?

2. What is the class policy on late work?

5 *Optional:* Read through the assignment 1 handout online

When posted :)