Turning in MATLAB sessions and/or programs (scripts)
Modified 3/6/18

There are going to be a lot of files to keep track of for this course. I would like to develop some conventions to help us stay organized. These instructions are written for the lab computers (will mostly work very, very similarly on any Mac.) I can help you modify anything you don't understand for a PC. (Especially if you bring it to class!)

How to log things you type on the Command Line:

There are a variety of things we will turn in for this class. One is a log of commands you enter on the command line. (Things you type after the >> in the Command Window in MATLAB.)

Naming conventions for log (diary) files:

For in class work, please name the file
       YYMMDD_inClass_LastName_AnythingYouLike.txt

For homework, please name the file:
       YYMMDD_HW_LastName_AnythingYouLike.txt

The command to open a file and record your future command line entries to that file is "diary". You use it like this:

>> diary 180215_inClass_Kintner_day02

Then anything you type will appear in that file—including comments. You turn off the logging by typing "diary" again. (Notice even that last "diary" will appear in the log file.)

Type some lines like:
>> % This is _Your Name_, typing on Feb 15, 2018
>> % I am working on section 1.1.x
>> 2+3
>> x = 5
>> 8 = a
>> diary

The "%" marks a comment. This works on the command line and in programs. Please use it to document things like what section these commands come from, or what problem you are working on. Later we will need comments to explain our code to a reader.

The file should appear in the /Documents/MATLAB directory of the computer you are working on.

Use the File Manager to browse to that file and open it.

You can also turn the logging back on again by using the same file name. It will append new commands to the end of the same file.

Try this! Re-open the file and type the following lines:
>> % Hey it's me again
>> 3*5
>> diary

How to send me the file you created:

Short version: email it to me.

Long version:
- Open Safari (icon located on the bar at the bottom)
- I suggest gmail since our SMC accounts are gmail. Open that by typing mail.google.com in the browser
- Log in using your SMC account or personal gmail account.
- Compose a message to me (jkintner@stmarys-ca.edu)
- **Give the subject of the email the same as the file name please!**
- Attach the file (on gmail you can drag-and-drop the file to the composition window, or you can select the paperclip-looking icon and browse to the file.
- Type me a message if you like.
- Hit "send".

For programs (or scripts)
There is now an entirely separate handout for script files.
Modified 3/6/18

For a script (program), please include the name of the file suggested in the assignment and your last name. An example from today would be:

compint_YourName.m

In this case, the "compint.m" is the name the textbook instructs you to use for the first script you save in section 1.3.2.

You may well want to save these with shorter names as you are working, and only change the name to send it to me. You can type the file name (without the

.m) in the command line, and the script will execute. So you'd probably much rather type "compint" than the whole filename above.

Saving programs for your own (continuing) use:

The textbook will expect you to keep all the scripts it has you write. For example, the compint.m file gets used again in Chapter 2. So if you were working on a lab computer in class, you would not have access to the file if you start your Chapter 2 homework on a different computer (say your desktop at home) if you don't save it somewhere else.

Plus, the lab computers are not safe! Anyone could delete your file.

You are welcome to use your own thumbdrive, but I recommend google drive. You can access it anywhere you have a browser.

If you are on one of the lab computers:
Since our SMC accounts are gmail, I recommend google drive. Talk to me during class or office hours if you don't know how to use it.

If you are on your own laptop and plan to only ever do MATLAB on your own laptop, feel free to keep your files in your own local directory. It still can be a good idea to keep them in google drive—both for a backup and just in case you ever want to work on a lab computer. (Say you forgot your laptop or it runs out of power.)