

# Mcs260, Spring 2010, 1st Draft Week3 Lab

## General outline for week3 lab

- Part I. Using raphael.math.uic.edu and emacs editor for python programs
- Part II. Work through the built-in emacs tutorial
- Part III. Using sftp and tar

## Part I

1. logon to raphael.
  - accounts have been created. Your TA will show you how to use your account.
  - create a directory for week3lab and cd into it
2. Start emacs and type a hello world program named hello.py:

```
> emacs hello.py
```

3. Type the following code. You can add a few statements if you like.

```
#file: hello.py
# mcs260s11 lab3 Student Name
def main():
    print "Hello world!"
main()
```

- Syntax highlighting should be working with emacs editor.
- Test your hello.py program and fix any bugs if needed.

## Notes for emacs:

- press: C-x C-c to exit (answer prompt to save file)
- if press escape 3 times it will quit a command that has not finished yet
- when you start emacs, you can press F10 to see menu options

## Part II

Now restart emacs and work through the emacs built-in tutorial,

>emacs

- in emacs press C-h t
  - i.e. Control-h then press t to start the tutorial
- work through the tutorial.
- After working through this tutorial, look for or use a recommended web tutorial to practice more emacs.
- Practice using emacs to type/debug/run some python programs.

## Part III

- make a zipped tarball and send it to your icarus account for practice.
- extract the zipped tarball on icarus, add a second python program.
- create a new zipped tarball and send it back to raphael.
- extract the new zipped tarball on raphael and open the new program in emacs.

*You must demonstrate that you have completed all of the above to your TA.*