

Code recall

With any language (programming or otherwise), recalling various commands takes practice. This document is designed to help you with that practice! This is ungraded; the purpose is not to test how much you remember, but to give you practice in remembering python syntax.

For each of the entries Part 1, enter the code that accomplishes the task. First, do this without looking at your notes. Write down as many as you can, and don't worry about how many or few it happens to be.

Next, set aside this page, and then open up your notes (the python cheat sheet and Lab 4). Look over the various commands. Now close your notes and open up this page. Fill in any commands that you now remember, and correct any mistakes that you may have made when first going through the list.

Next, open both this page and your notes side-by-side and fill in any remaining blank entries. Also correct any entries that have mistakes.

Part 1:

1. Cosine
2. An if statement
3. Open a fits file
4. Close a fits file
5. Read in data from a text file into an array: Read in everything as a string
6. Define a function with one required input and one optional input (the optional input has a default value)
7. Create an empty list
8. Append items to a list
9. Add a title to a plot
10. Add a horizontal line to a plot

When you are done with the lab, move on to Part 2 below. Follow the same procedure as above. Start by writing down as many as you can remember without looking at your notes, then look at your notes and return to this page, and then look at this page and your notes side by side.

Part 2:

1. A For loop
2. Read the data from a fits file into a variable
3. Load in an external package
4. Read in data from a text file into an array: Read in everything as a string
5. Define a function with one required input and one optional input (the optional input has a default value)
6. Access a certain column/row in a two-dimensional array
7. Slicing through an array
8. Add a label to the X-axis of a plot
9. Add a vertical line to a plot
10. Convert from degrees to radians