

Topic Outline: Python Fundamentals 2

Revised: January 27, 2016

Materials

- Today's handouts: this outline, code, book chapter, code practice, red/green stickers
- All posted on *Topic list & links* page of website (except the stickers).

Preliminaries

- Tools and buzzwords
 - Boolean variables, comparisons, conditionals (`if`, `else`), slicing, loops (`for`), function definitions.
- Reminders
 - Assignments
 - Strings
 - Lists
 - Number types
 - The `print()` and `type()` functions
 - Type conversions
 - Methods and objects
 - Tab completion
- **Exercise**
 - Put red sticker on your laptop
 - ??
 - Replace red sticker with green when you're set

Python fundamentals 2

We'll follow the book chapter.

- Logical expressions (comparisons)
- Conditionals
- Slicing strings and lists
- Loops over lists and strings

- Loops over counters (`range()`)
- Defining functions
- Dictionaries
- Style
- Review
 - Put red sticker on, replace with green when done

After class

- Required
 - Code Practice #2 (should take about an hour)
- Recommended
 - **Write:** Right after class, write down everything you remember without using your notes
 - **Review:** Reread chapter and fill in anything you missed.