

## PIC 16, Winter 2018 – Preparation 4W

Assigned 1/29/2018. To be completed by class 1/31/2018.

### Intended Learning Outcomes

By the end of this preparatory assignment, students should be able to:

- write regular expressions to match and capture patterned information,
- use the Python `re` library to find and replace occurrences of regular expressions, and
- be aware of other great functionality from the standard library.

### Tasks

- ☐ Complete the <http://regexone.com/> tutorial.
- ☐ I suggest you try all the challenges. It's OK to work with friends on these if it helps both of you learn.
- ☐ After you've given the challenges a shot, if you'd like to watch how I approach them, check out:
  - <https://youtu.be/AD3qOmEVNd8>
  - <https://youtu.be/imoH4C3DMTk>
- ☐ Read <https://regexone.com/references/python> until "Compiling patterns for performance." Know that the latter technique exists in case you find a need for it in the future, but we won't use it.
- ☐ You'll get plenty of practice with applying regular expressions in Assignment 4W, which everyone will complete.
- ☐ Skim Chapters 10 and 11 of the Python tutorial. I think 10.11 is particularly cool. We've seen some of this before, and we'll see some of it in more detail later. You won't be quizzed on this stuff Friday.