

Week 2: Python brush-up #1

02807 Computational Tools for Data Science

Exercises

1 Python challenges All exercises today are from the exercises to the book Introduction to Python (which we recommend if you would like to have a book on Python). In any case, all the exercises we use below, and excerpts from the book, are available on the homepage <https://introcs.cs.princeton.edu/python/>.

Exercises without a star can be submitted to CodeJudge for testing (<https://dtu.codejudge.net/02807-E18/>).

Section	Exercises
Your First Program	1.1.1, 1.1.6
Built-in Types of Data	1.2.2 *, 1.2.5 *, 1.2.8 *, 1.2.11
Conditionals and Loops	1.3.6, 1.3.7, 1.3.13, 1.3.27
Arrays	1.4.21 (1.4.C2) Longest Plateau, 1.4.29 (1.4.C10) Find Duplicate
Input and Output	1.5.1, 1.5.10
Defining functions	2.1.3, 2.1.15
Recursion	2.3.17 (2.3.C3) Permutations *
Creating Data Types	3.2.1 (without the draw function), 3.2.5 *, 3.2.7 (3.2.6 online) Fraction