Exercise Notes

For Collaborative Study

General

- Whenever the book tells us to enter commands in the Python interactive command line or run a script IDLE, we can instead use iPython/Jupyter if we prefer.
- For each Part's quizzes and (when applicable) exercises we should make text files or written notes containing answers to questions (e.g. "what happens?" in excercises). Additionally, for the Part's exercises we should include a `.py` file(s) for any coding tasks not done interactively.

Part I

1. No response needed.

7. The doc pages I've spent the most time on (so much goddam time):
    - Built-In Functions (for a while I always had this up while coding)
    - Built-In Types
    - String Operations
    - Standard Library `math` Module
    - Standard Library `random` Module
    - Standard Library `csv` Module

Part II

1. Use the following line numbers to describe what's happening:

```
 [1]      2 ** 16
 [2]      2 / 5, 2 / 5.0

 [3]      "spam" + "eggs"
 [4]      S = "ham"
 [5]      "eggs " + S
 [6]      S* 5
 [7]      S[:0]
 [8]      "green %s and %s" % ("eggs", S)

 [9]      ('x',)[0]
[10]      ('x', 'y')[1]

[11]      L = [1,2,3] + [4,5,6]
[12]      L, L[:], L[:0], L[-2], L[-2:]
[13]      ([1,2,3] + [4,5,6])[2:4]
[14]      [L[2], L[3]]
[15]      L.reverse(); L
[16]      L.sort(); L
[17]      L.index(4)

[18]      {'a':1, 'b':2}['b']
[19]      D = {'x':1, 'y':2, 'z':3}
[20]      D['w'] = 0
[21]      D['x'] + D['w']
[22]      D[(1,2,3)] = 4
[23]      D.keys(), D.values(), D.has_key((1,2,3))

[24]      [[]], ["",[],(),{},None]
```

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