Outline for November 17, 2020

Reading: §3.7, 7.7   **Assignments:** Homework 4, due December 1, 2020

1. Show how to write a program that extracts sequences of digits from a line

2. Common exceptions

   (a) `ZeroDivisionError` — attempt to divide (or take the remainder of) something by 0

   (b) `TypeError` — operation or function applied to operand of wrong type

   (c) `SyntaxError` — Python parser encountered a malformed statement

   (d) `NameError` — local or global name is not found

   (e) `ValueError` — built-in function or operation applied to operator with illegal value

   (f) `EOFError` — input function encounters an end of file

   (g) `FileNotFoundError` — file could not be found

   (h) `Keyboard Interrupt` — user hit the interrupt key (usually control-C)

3. Handling exceptions

   (a) `except` [*except0.py*]

   (b) `except` *exceptcode* [*except1.py*]

   (c) `else` [*except2.py*]

   (d) `except` *exceptcode* `as` *msgvar* [*except3.py*]