

## Lecture 12: November 7, 2019

**Reading:** §3.7, 7.7

**Assignments:** Homework 3, due on November 8 at 11:59pm

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### 1. 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) `Keyboard Interrupt` — user hit the interrupt key (usually control-C)

### 2. Handling exceptions

- (a) `except` [*except0.py*]
- (b) `except exceptcode` [*except1.py*]
- (c) `else` [*except2.py*]
- (d) `except exceptcode as msgvar` [*except3.py*]
- (e) `finally` [*except4.py*]
- (f) Exceptions in a function: who handles them? [*except5.py*][*except6.py*]
- (g) Using global variables as error flags [*except6a.py*]
- (h) `raise exceptcode` message [*except7.py*]