Outline for October 3, 2021

Reading: §2, 4.4
Handout: “Table of Precedence and Associativity”

Assignments: Homework 1, due October 9, 2021

1. Assignment [swap.py]
   (a) Simple assignment: variable = expression
   (b) Simultaneous assignment: variableA, variableB = expressionA, expressionB

2. Exception NameError — local or global name is not found

3. Example
   (a) Compute the hypotenuse of a right triangle [hypotnoex.py]

4. Exception SyntaxError — Python parser encountered a malformed statement

5. Exception ZeroDivisionError — attempt to divide (or take the remainder of) something by 0 [divby0.py, divby0ex1.py]

6. The difference between strings and integers [twoplustwo.py]
   (a) Difference between '2 + 2', 2 + 2

7. Exception TypeError — operation or function applied to operand of wrong type
   (a) Typing letters when a number is expected [divby0ex2]

8. Type converter functions int, float, str

9. String operators
   (a) Operator +: string concatenation
   (b) Operator *: repetition

10. Input [make_change.py]
    (a) input(prompt) prints prompt, waits for user
    (b) When user hits enter, it returns what was typed as a string

11. Basic output [printend.py]
    (a) print(a, b, ...)
    (b) end=’XXX’