**Python: Advanced Techniques**

**Merging two dictionaries**

Consider having two dictionaries x and y that need to be merged

z = dict(x, \*\*y) (in python 2)

z = {\*\*x, \*\*y} (in python 3)

where, duplicates will be replaced from left to right

Note: z = dict(x, \*\*y) is different from z = dict(y, \*\*x)

**Different ways to test multiple flags at once in Python**

x, y, z = **0**, **1**, **0**

**if** x == **1** **or** y == **1** **or** z == **1**:

print('passed')

**if** **1** **in** (x, y, z):

print('passed')

# These only test for truthiness:

**if** x **or** y **or** z:

print('passed')

**if** any((x, y, z)):

print('passed')