### **9/18 CSP(L) Notes**

#### **Logistics**

* **Location**: Enter from west in Macbride Hall
* **Office Hours**: Friday for exam
* **Supplemental Instructor Leader**: Nolan, basement IMU, academic resource center

#### **Key Concepts**

* **Symmetry**: ^ is symmetric
* **Review**: All operators, set instructors
* **Preparation**: Print out cheat sheet

#### **Code Examples**

1. List Assignment
2. Python

X[2:8] = [1]\*2

x

[0,0,1,1,0,0]

1. AI-generated code. Review and use carefully. [More info on FAQ](https://www.bing.com/new#faq).
2. Print Function
3. Python

print() evaluates arguments and formats their resulting values for output onto the screen, like assignment, it returns no value.

>>> x, y = (3, 4)

>>> print(x\*2, y, 'this is a test')

6 4 this is a test

>>> 3, 4\*2

(3, 8)

>>> print('foo')

Foo

>>> print('foo'), 4\*2

foo

(None, 8)

1. AI-generated code. Review and use carefully. [More info on FAQ](https://www.bing.com/new#faq).
2. Escape Characters
3. Python

'\t' and '\n'

>>> 'this\t this'

1. AI-generated code. Review and use carefully. [More info on FAQ](https://www.bing.com/new#faq).
2. Function Definitions
3. Python

def foo(x=0, y=0):

print('x is' + str(x) + ', y is' + str(y))

return x + y

foo(3)

# Output: x is 3, y is 0

# 3

foo(y=7)

# Output: x is 0, y is 7

# 7

1. AI-generated code. Review and use carefully. [More info on FAQ](https://www.bing.com/new#faq).
2. Star Arguments
3. Python

def poo(x, y, \*args):

return x, y, args

poo(3, 4)

# Output: (3, 4, ())

poo(3, 4, 5, 6)

# Output: (3, 4, (5, 6))

poo(\*range(10))

1. # Output: (0, 1, (2, 3, 4, 5, 6, 7, 8, 9))