



1301

Spring 2020



For Loops

- Lists being immutable vs mutable.
- Python implements as arrays.
 - Arrays are based ^{on} indexing.
- $l[2] \times$

Definite Iteration

↳ we know how many times the commands in the block will be repeated.

for x in col:

commands } block

y = 0

for x in {0, 1, 2}:

$$y = x + y$$

$$0 + y$$

$$1 + y$$

$$2 + y$$

$$y = 0 + 0$$

$$y = 1 + (0 + 0)$$

$$y = 2 + (1 + (0 + 0))$$

$$\boxed{y = 3}$$

e = [t(x) for x in col if b]

⇓

↓
e = []

for x in col:

if b:

add t(x) to e