

Lists  $\rightarrow$  structs?

multiple data types

cannot change single elements of string

$\hookrightarrow$  str = "hello"

str[2] = 'L'  $\leftarrow$  does not work

• insert()  $\rightarrow$  choose a point in the array to insert element

as .insert(1, "test") == ["b", "test", ...]

in & not in  $\rightarrow$  works with both strings and list

del  $\rightarrow$  delete element from list

$\hookrightarrow$  del my-list[2]

associative array  $\rightarrow$  dictionary "dict"

$\hookrightarrow$  has a name value and an actual value

my-dict = {"name": "Alice", "birth": 2005}

$\rightarrow$  my-dict["name"] == "Alice"

cannot change name/key value, only remove

• Keys  $\rightarrow$  return all keys, must cast to list

tuples

$\hookrightarrow$  round brackets separated by commas

$\hookrightarrow$  tup = ()

tup = (3,)

tup = (3, 2)

value in tuple cannot be changed

$\uparrow$  immutable

x = 1

y = 1

x, y = y, x  $\leftarrow$  tuple, useful for swapping

a = [1, 2]

b = a

both variables point to same point in memory

