

SEQUENCES

SEQUENCES GROUPED BY

container

flat

MORE ABOUT

MUTABLE
(tuple)
(str)
(bytes)

COMPREHENSION
+ READABILITY
- 2 LINES MAX.
• instead of 'lambda'
• filter & transform
• creates lists

(GENERATOR EXPRESSION)
saves memory (yield item by item)
• building nonlist sequences
• filter + transform

TUPLES()

- 1) % OPERATOR
- 2) any iterable w/ one item per value
- 3) * OPERATOR
works for nested structures
- 4) **UNPACKING**
t = (x, y)
print('is/is', t)
x, y
a, b, c = range(3)
4, 5, 2, 3, 1, 5
EXCESS
- 5) NAMED TUPLES
• 'collections.namedtuple'
• simplistic class behavior
• access by field name or position

RECORDS
WITH NO FIELD NAMES
* FIELDS' COLLECTION
* % treats each
tuple field sep
* UNPACK (*t)

! the more you know
IT'S NOT THE BEST IDEA
TO PUT MUTABLE ITEMS IN ()

IMMUTABLE
TUPLES SUPPORTS ALL
LIST METHODS THAT
DON'T INVOLVE ADDING
OR REMOVING ITEMS

Adding

list.sort
sorted()

BWARE
OF
* * y
w/ MUTABLE

NEW ITEM
(a, b, c)
+
*
+=
can work as
a.extend(b)
+=
load
*=
mul

! 101: a function or a method should return None if object was changed but no new object was created

