

Arithmetic
 $x_1, -, +, *, /, \cdot, **$

Datatypes

Numence —
 |——— integral — int ·
 |——— Non-integral — float, complex ·

Boolean → bool ·

$x = 5$

Logical operations
AND, OR, NOT

True / False ·

Collections —
 |——— [Sequence] —
 |——— Mutable — list ✓
 |——— Immutable — tuple, str. ✓
 |——— Mapping — dict ✓
 |——— Set —
 |——— Mutable — Set ·
 |——— Immutable — frozenset

✓
 $l1 = [1, 2, 3]$

$\rightarrow l2 = l1$ → only one obj.

$l2 \rightarrow [1, 2, 3]$

$l2.append(100)$

$l2 [1, 2, 3, 100]$

$l1 = [1, 2, 3, 100]$

$l1 \rightarrow \begin{bmatrix} 1 \\ 2 \\ 3 \\ 100 \end{bmatrix}$

$l1 \rightarrow \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$

$l2 = l1.copy()$

$l2 \rightarrow \begin{bmatrix} 1 \\ 2 \\ 3 \\ 100 \end{bmatrix}$