

Datatypes

Numeric — { integral — int-
 — Non-integral — float, complex

Boolean \rightarrow bool.

$$x = 5$$

True / False -

Logical operation
AND, OR & NOT

```

graph LR
    Collections --- Sequence
    Collections --- Mapping
    Collections --- Set
    Sequence --- Mutable1[Mutable]
    Sequence --- Immutable1[Immutable]
    Mutable1 --- List[list]
    Immutable1 --- TupleStr[tuple, str]
    Mapping --- Dict[dict]
    Set --- Mutable2[Mutable]
    Set --- Immutable2[Immutable]
    Mutable2 --- SetObj[Set]
    Immutable2 --- FrozenSet[Frozenset]

```

✓
 $l1 = [1, 2, 3]$

→ $l2 = l1$ → only one obj.

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

$l2.append(100)$

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

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

$l2 = l1.copy()$

$l1 \rightarrow$
 $l2 \rightarrow$

1
2
3
100

$l1 \rightarrow$

1
2
3

$l2 \rightarrow$

1
2
3
100