

Core Data Structures

- 1. LIST.
- 2. DICTIONARY
- 3. TUPLE
- 4. SET

→ INTERFACE

METHODS, FUNCTIONS PROCEDURE

✓ 8. RDD

→ RESIDUAL
DISTRIBUTED
DATASET.

✓ 9. SQL TABLE

DATA
SCIENCE

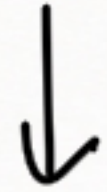
✓ 5. NUMPY ARRAY → GENERAL N-DIMENSIONAL VERSION

✓ 6. PANDAS DATA FRAMES

✓ 7. PYSPARK DATAFRAMES

DATA
SCIENCE

PROTOTYPE → MASS PRODUCTION



FINAL

ORIGINAL WORKING PRODUCT

→ Final Draft of your Look

→ Original working prototype of motorcycle



MASS PRODUCTION → CREATING MULTIPLE COPIES OF ORIGINAL

WORKING PRODUCT

→ INSTANTIATION

INSTANCE

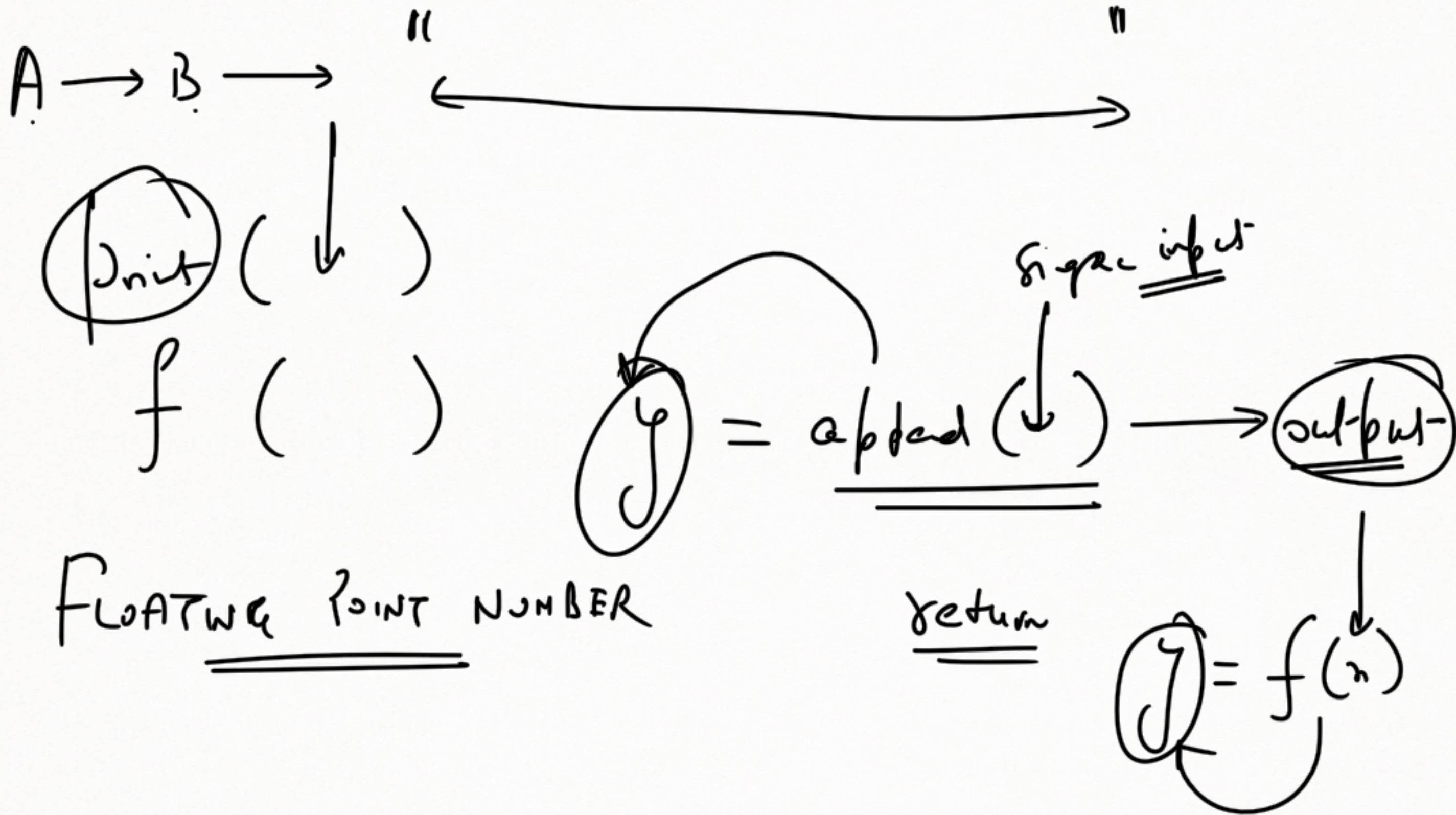
LIST, DICTIONARY, TUPLE, SET \longrightarrow ORIGINAL FINAL WORKING OF LIST, DICTIONARY, TUPLE AND SET

list-instance = [1, 8]

Method, function \longrightarrow Mathematical function

$y = f(x, z, p, r, v)$ \longrightarrow SIGNATURE OF FUNCTION

$y = \underline{\underline{f}}(\downarrow)$
 $\underline{\underline{append}}(\downarrow) \longrightarrow y$



ITERABLE \longrightarrow

ITERATE

L

LIST

DICTIONARY

ITERABLES

$y = [18.11, \text{"this is a firm-clus..."}, 18, 19, 19.12]$

$\text{print}(y[\underline{\underline{s}}]) \rightarrow \underline{\underline{19.12}}$