OOP 1 Tuesday

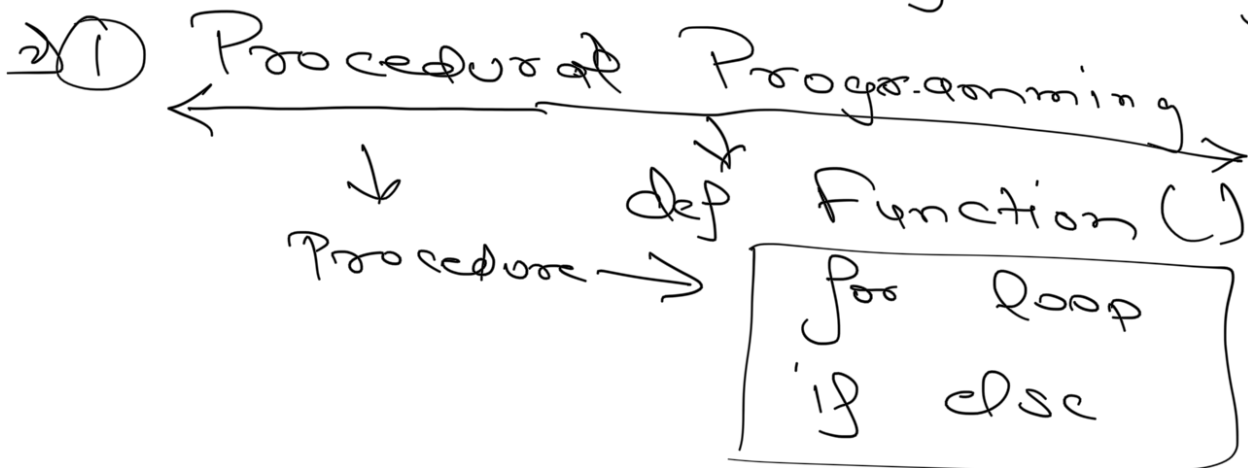$\longleftarrow$ Object   Oriented   Programming $\longrightarrow$

Programming Paradigm

Paradigm ⇒ Pattern
         or
        Style

↓
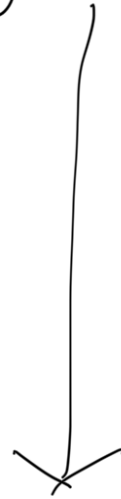
Pattern   or   Style   of   writing
code

Types of Programming Paradigm

2)① Procedural Programming
   ↓   def
   Procedure →   Function ()
                    for loop
                    if else
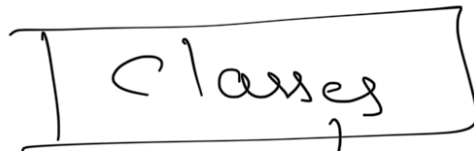
② OOP ⇒ Object Oriented Prog...

③ Functional Programming ✓

④ Declarative   "

⑤ Sequential   "

OOP

↓

| Classes |

↦ Object 1

↦ Object 2

② Class → Acts as a blueprint

| Phone |

| Sim |

| Screen |

| Calling Functionality |

→ Attribute

Functionality
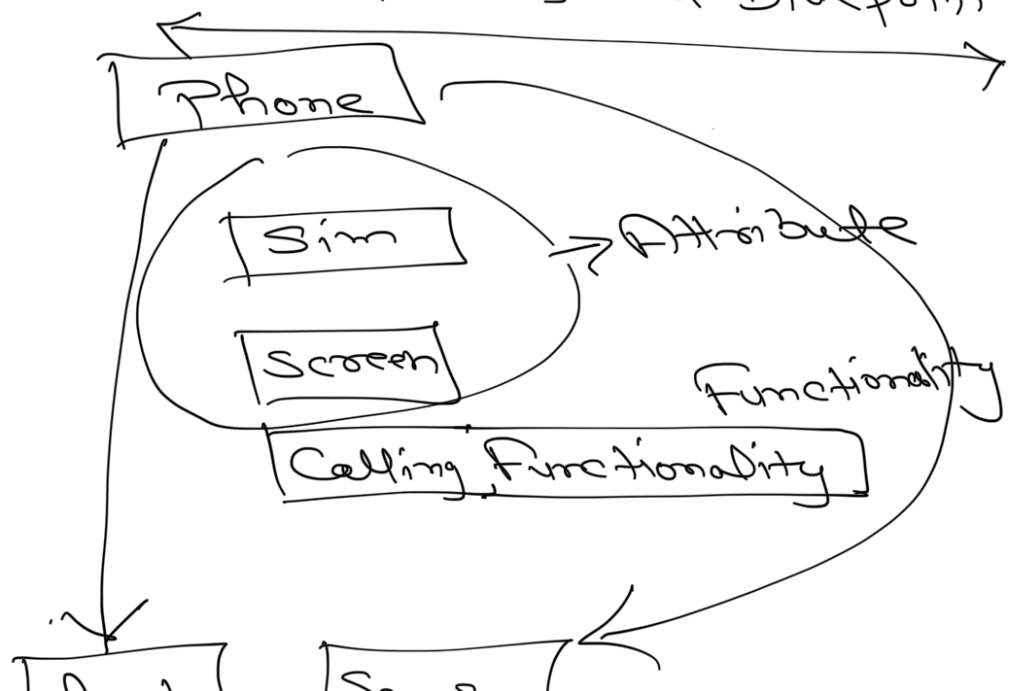
Apple Smart	Samsung Smartphone

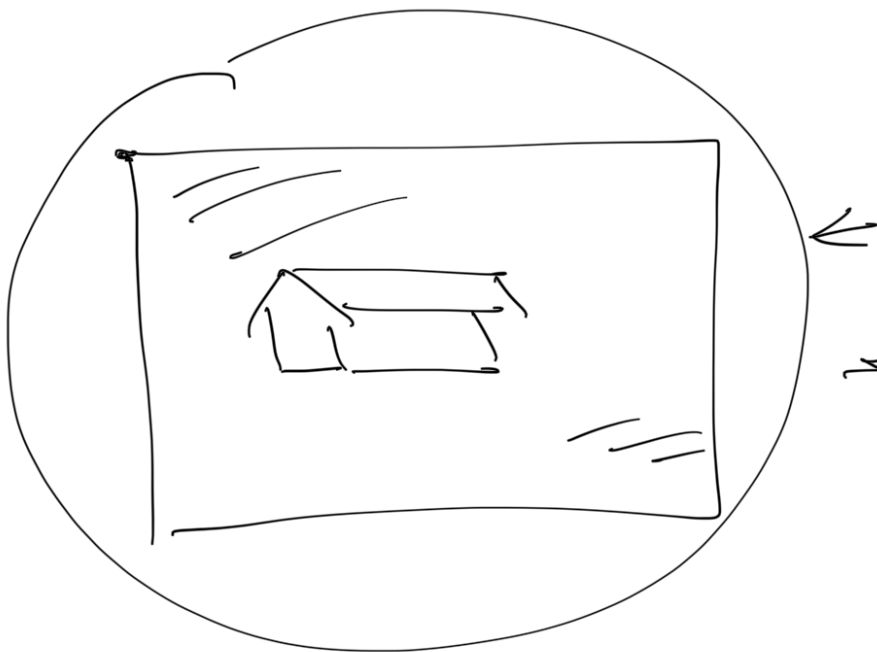## Constructor vs Initializer

1) Constructor allocates memory and creates common instance variable

2) Initializer
   → Only creates common instance variable

← Constructor
   → C++
   → Java

'initializer

← automati call
handled by
Python

→ Python Doesnot have concep
of Constructor.

initializer is co
Constructor