

Dt. _____

Pg. _____

OOP → Object Oriented Program

Note → In Python everything is an object.

Procedural Approach → line by line code ko execute karne.

↳ Note as much used while making any Project / Application

OOP

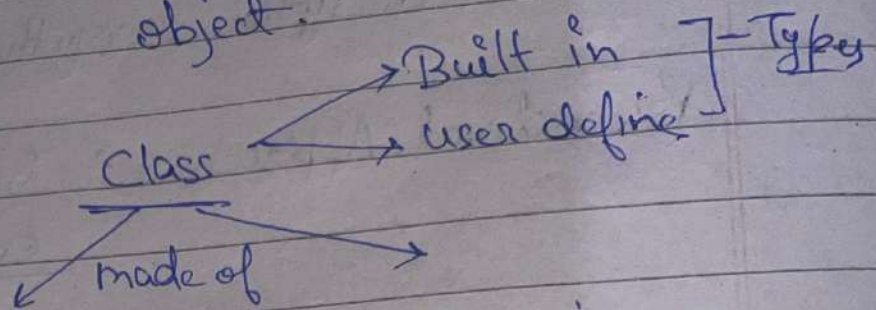


The main power of OOP is that gives the power of the programmer to create his own data types.

There are certain Principles

- Object
- Class
- Polymorphism
- Encapsulation
- Inheritance
- Abstraction

Class → Class is a blueprint.
 → Set of Rules. followed by object.



Data or
Property

Function or
Behaviour

Syntax

Pascal case

Class ClassName:

Constructor

def __init__(self):

self.Pin = ' '

self.Blance = 0

→ No space.

→ every word capital

ex → • HelloWorld

• MyAtm

Rule

→ Variable inside
the constructor.

→ self.variable name]

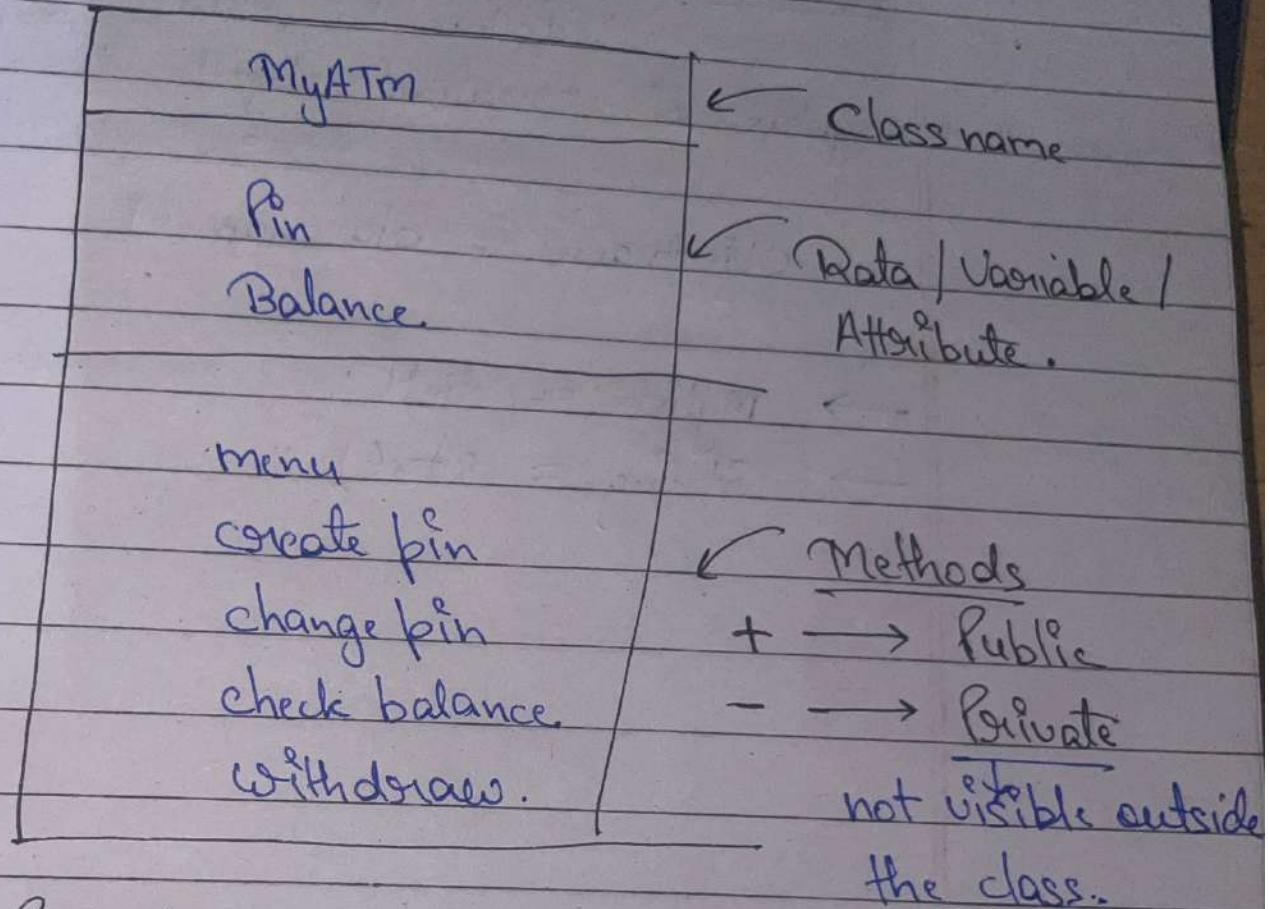
→ Obj ≡ Class Name ()

Constructor → special function → superpower
Dunder func.
 Always Run ← No need to call.

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Class Diagram



→ ATM Project

Object → instance of the class.
→ follow the rules of class.

Syntax of creating object.

Objectname = classname()

→ Mylist = list()

→ String = str()