

Ch11- Inheritance in Python

Inheritance is a method to create a new class from an existing class. The derived class will have all the attributes/function of the parent class. New methods can be added here.

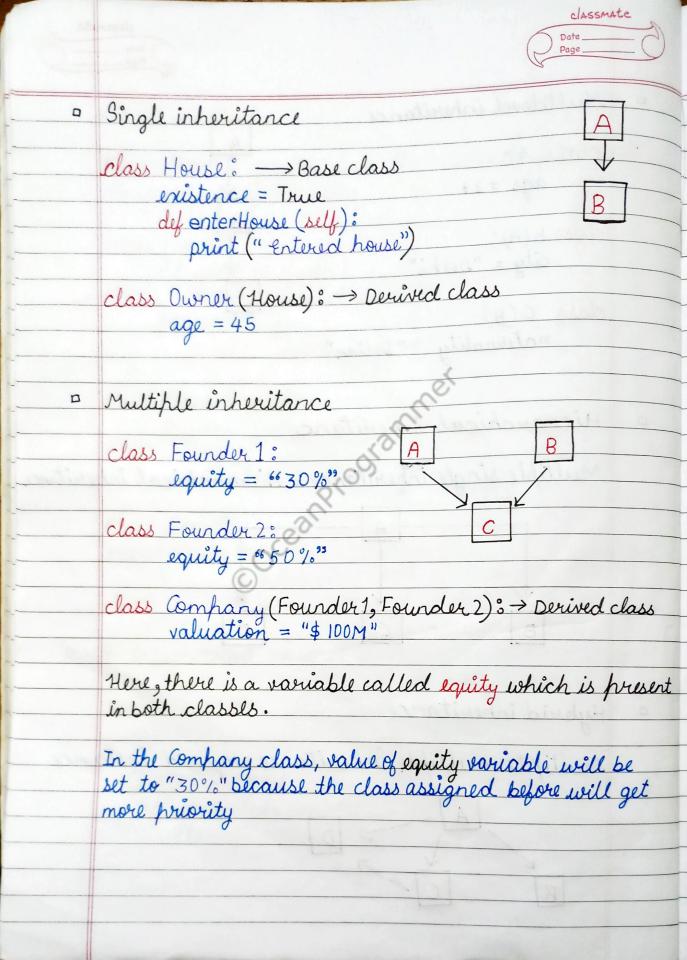
Syntax:-

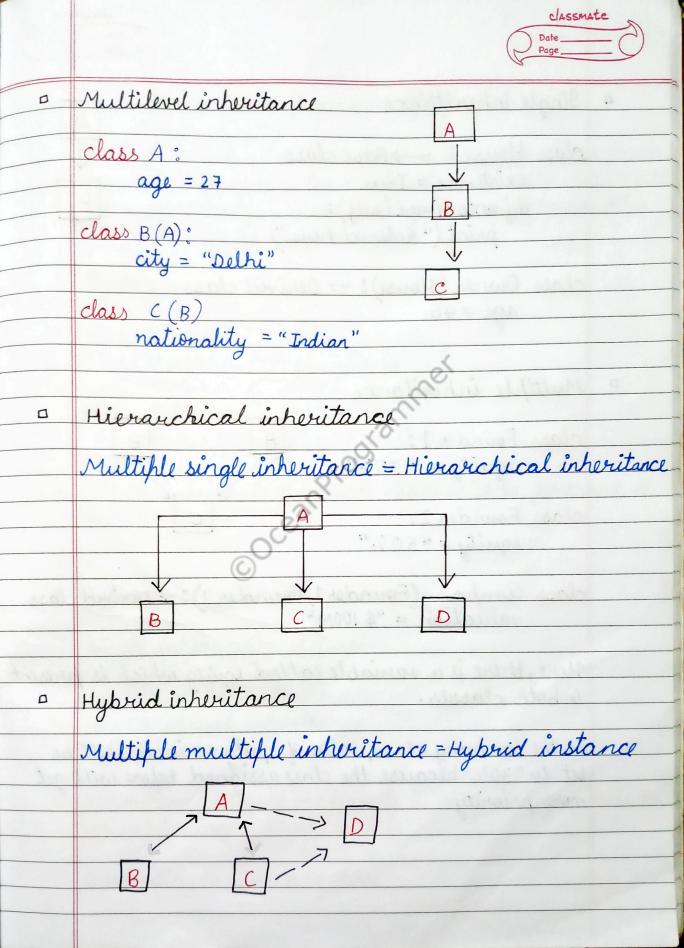
class Watch:

attributes/functions

class Rolex (Watch): # new attributes/functions

- · All the elements of Watch class will be present in Rolex class.
- Types of inheritance
- i. Single inheritance
- ii. Multiple inheritance
- iii. Multilevel inheritance
- iv. Hierarchical inheritance
 v. Hybrid inheritance
- X Inheritance plays a major role in reusability of code or for implementing DRY principle
- * Overwriting can also be done





super() method

This method is used to access the methods of harent class into derived class.

class House:

def entertlouse (self): print ("Entered house")

def exist (self): print ("House Exists")

class Owner (House):

def exist (self):

super() exist()

print (" I exist")

A = Dwner()

A-exist () -> This first executes the exist() function of parent's class. Then it will execute it's own function

□ @classmethod → used to charge class attribute > or create

class --:

@ classmethod def newAge(cls, new): cls-age = new