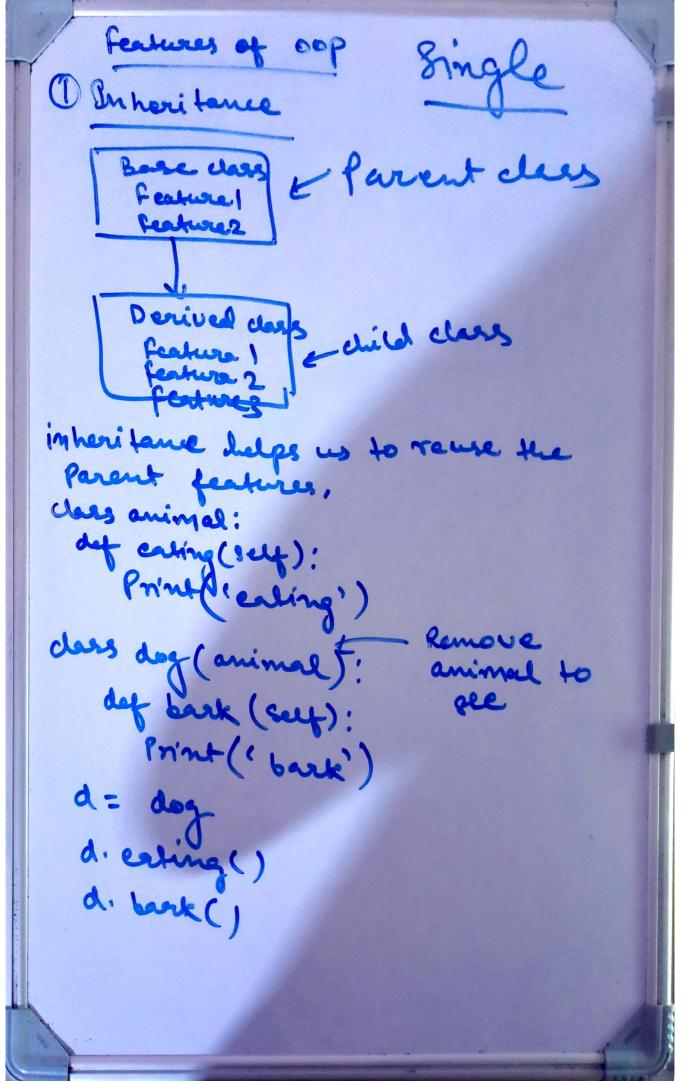


method nethod class person: def_init_(self, name): seef. name = name method def display(self): E Print ("hello", self name) Person 1 = person ('Alushek') Person 1. display () Instance variable and class variable class Student: clg = 'xyz' (class variable def init (seef, vollno, name): Tustance self. name = name dy display (self): Print ('student name: ; self name)
Print ('Student Roll: ; self rollno) Print ('collège:', student.'cig) Stul = Student ('1', 'Abhishek') stuz= student ('2', 'singh' Stul. display () Stur displaye)



Scanned by CamScanner

musi lovel Inheritance Buckluss Derived 1 features of base dass Derived 2 feature of there
t derive. 1 + feature 3 class Person. of display (self): Print ('Kello, this is class person') class Employee (person): det Printing (seef): Print (Melo, this is derived cus employee") def show (self): point (lello, this is and derived PI = Programmer, class programmer!) PI. displaye, PI, Printing () PI. show ()

Scanned by CamScanner

Multiple inheritance
example
Frener Mother Lang Wester
Charles
class land Animal.
def printing (self).
printing (self): print ('this animal lives on land') class unales animal:
def display (self): point (this animal lives on wasi
class frog (and Animal, water animal.
fi=freq()
fl. printing()
f. display ()

Method oversiding classon. def display (self): Print ("method belongs to 4") Class B(A): det display (seef): Print (" method B") P1 = B() 61. dis play (). Encapsulation: protection et dala methods we use Encapsulation. class car: def _init_(secf): Sey. _update.Software() of print+ (city) print (' oniving') def updete software (): Print ('Anthry') Private func outside of class P. pninet() P. _update. software X

En cap sulation class car: -max speed =0 dy init (seef): self max speed = 200 self. - name = 1 supercar def drive (suef): Print ('driving') Point (sex. max speed) def setypeed (self, speed): print (self.-max-speed) s = cur() s. drivel) 5. set-speed (100) -> 100 5. mexspeed =50 X -> 100

