[Day-11] # Encapsulation - wrapping data (variables) & methods (functions) logether as a single anst. It restricts direct acom to some of the objects components, which is a means of preventing accidental interference I misuse of the data. > Getter & setter methods > Public, Porvate, proteded variables def-init (selfmans, eye, gorder). Self-mane = none # private van Self-age = 18te # private var # Protected: self-nome Self-gorden = gerder # public ran class Employee Classon):

def int (self, home, eye, garder):

defect). -init (self, none, ego, gorden)

del get some Gersen):

Power = leason ("8hrosthe", 21, "Femali") Setnam (Penson)

# Encapsulation with getter & setter

def get-none (sey): def set-none (sey, meno)
schum sey-none sey-none = none

# Ab Boads on - hiding complex implementation details & showin only the necessary features of an object. This helps in reducing programming complexity & effort. from de import ABC, àb Madradhad #Aboract bose class class rehicle (ABC): deffdore (sey). Point (" Vehicle used for dorring") Cab alread method dof Start engine (sey): Pars Class Cas (rehide): def Start-egine (self): Print (" Cor engre parted") def operate reticle (raticle); reticle. Start\_engine() Var= (an() Operate\_vehi (la Car) # Hyric Hethods - 1/80 known as durder methods (double undersione methods), and special methods that start of and with double underscores. These methods crabes to defin the betantin of object for built-in-sperations, such a anthroctic opposations, companions and more.

VA:

#:

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Į	s bredefined methods that can presside to charge the behavior
	of objects.
4	Exemples
	Init i introdres new instance of a day
	1 . 0 . 0 . 0 . 0
	yet . whome a official story representate of an offert
	getiter setums the bright of an algest
	getilen gets an item from a container
# ~	
-10	- add, - sub (seg, other), - mul (self other), - gt (self, other)
	add - sol Can in a crestocation mapic methods are
	add, sub (self, other), mul (self, other), gt (self, other),
	- tourdiv_ (self, other), eq (self, other), et (self, other)
#	Castom Exceptions (Raise and throw an exception)
	marke and throw an exception)
	Esser (EXCOLUPIN);
	Pais
	class dobtecaphon (Error).
	Paus
	year = int (input ("Exten the dob")) except dobexception:
	age = 5051- Acas ("Not Eliable")
	Baye (=30 and ogo >=20.
	byy ("Nguyn)
	Oso?
	rouse dobtix capillar