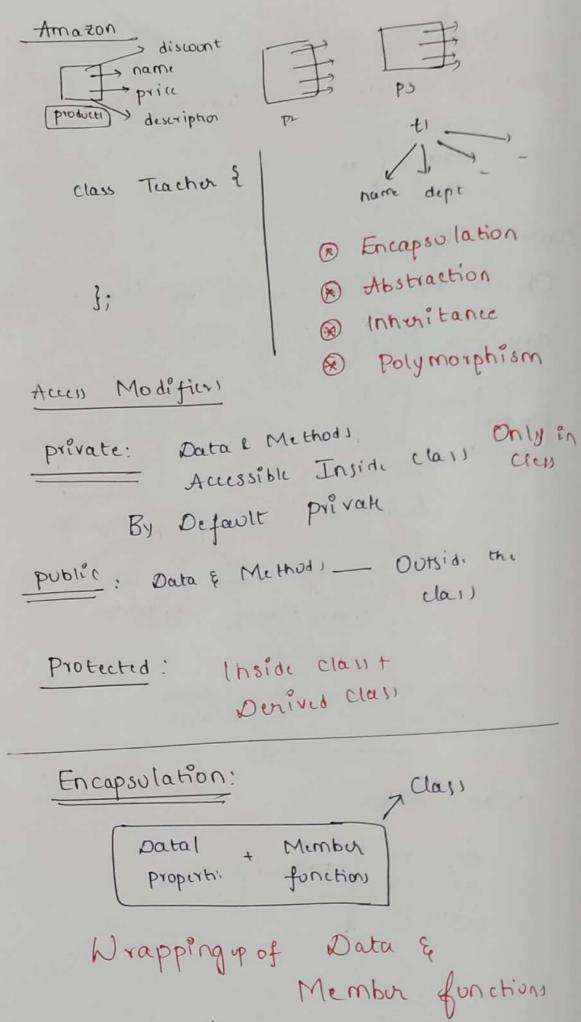
Definition + Eg Real life Scenario => c++ code -> 00p) Vector string 8t1 Classes & Objects: Objects are Entities in real World => Obj class -> Blue print of these Entitics class => 220 Object To yota = [] car rame dept sub salary change Deptl) properties method() String tilame stry tellame stry todept tidept stry - 50 Blucpy -

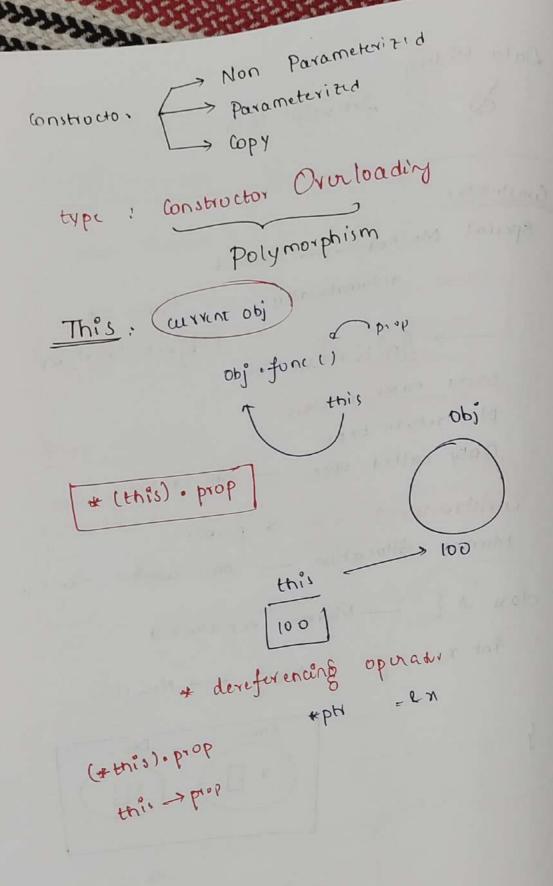
obj 1 T1
obj 2 T2
obj 3 T3

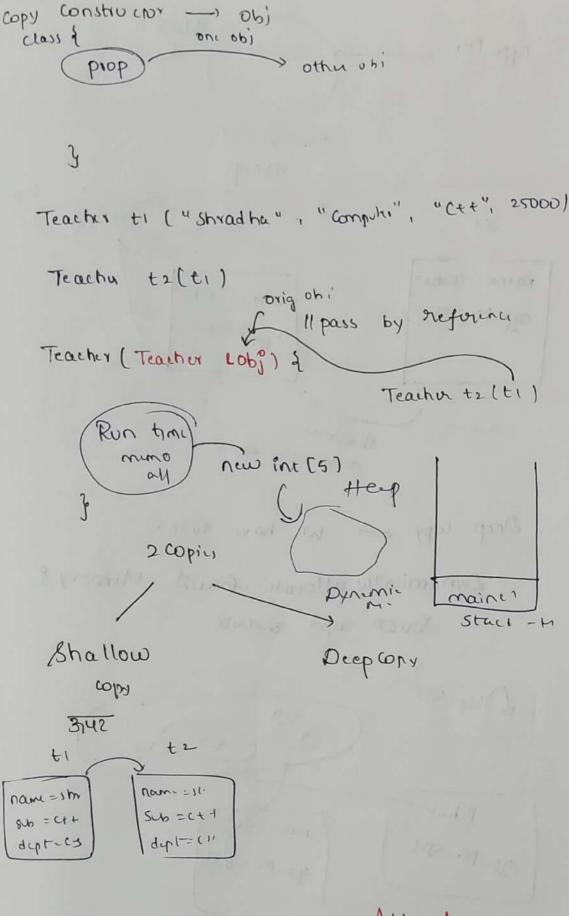


in a single Unit

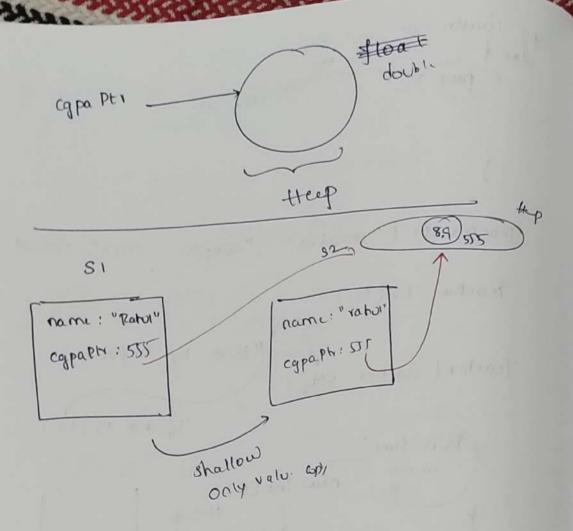
Data Hiding Sensitive Into

Constitution Special Method - invoked automatically - time of Object creetion > Initialisation same name as class No return type Only called once - objecthm Constructor() -> public Memory Allocation - when constru - cellin class A { + Memory - not allock d Pot x; A obje - Now eller 05 061' -2/





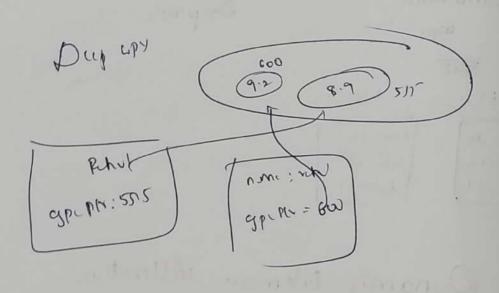
Dynamic Memory Allochun Zisawja Bao Di



Deep copy =) We have to met.

Dynamically allocate baws Memory 8

30000 Copy databu



Malli Dynamic que Allocte Estro

Deallocate

Deallocate

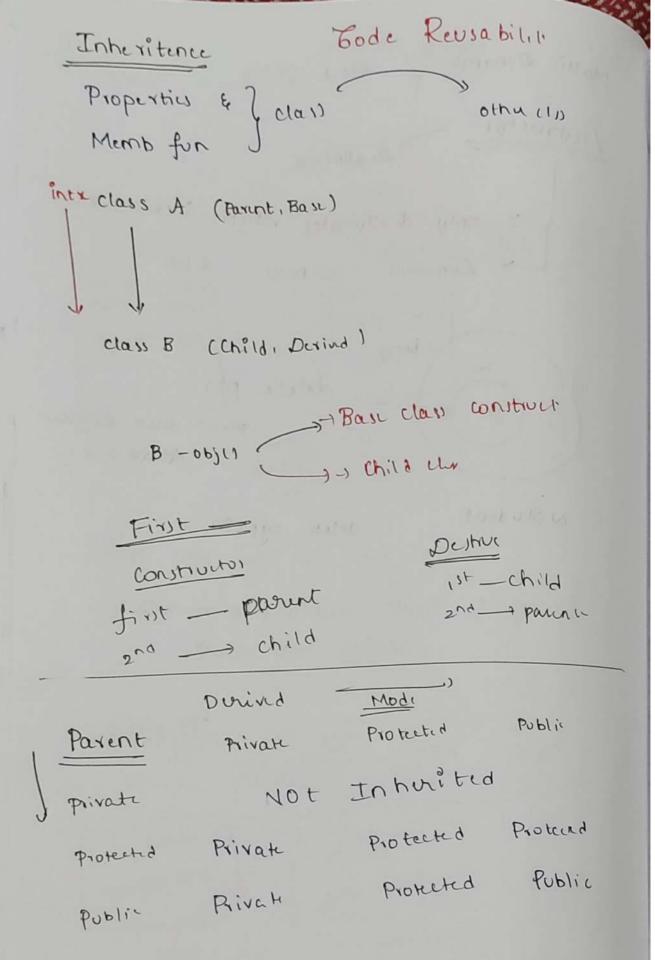
Only deallocates Static Memory alloc

Dynamic — new delete

Ph => delete Sophore

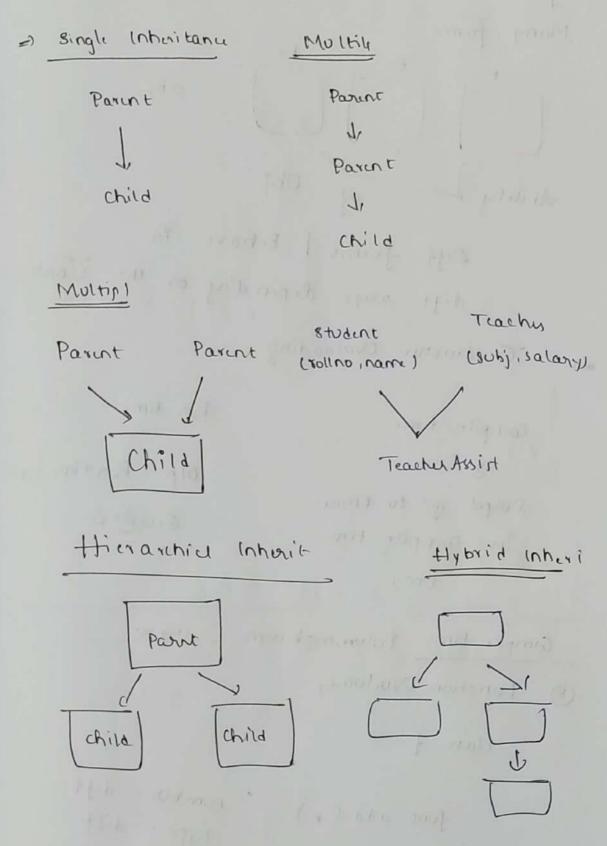
Memory delete

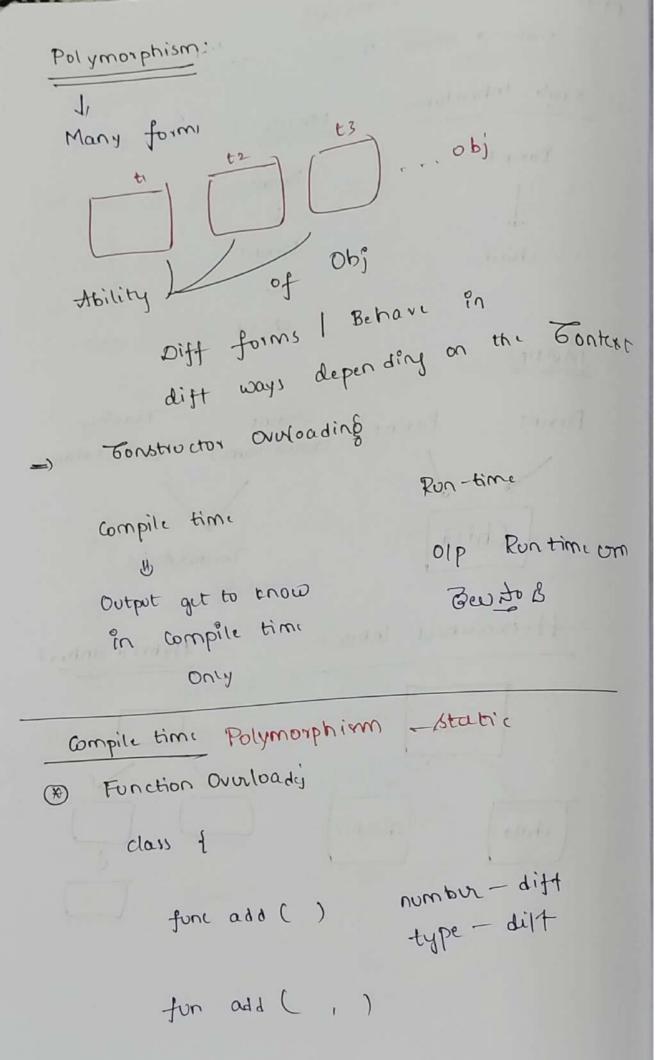
N Student delete capally



private => Inhuit BarousB.

protected mark thy





operator Overs

int y = 10

int x = 10

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string &= b
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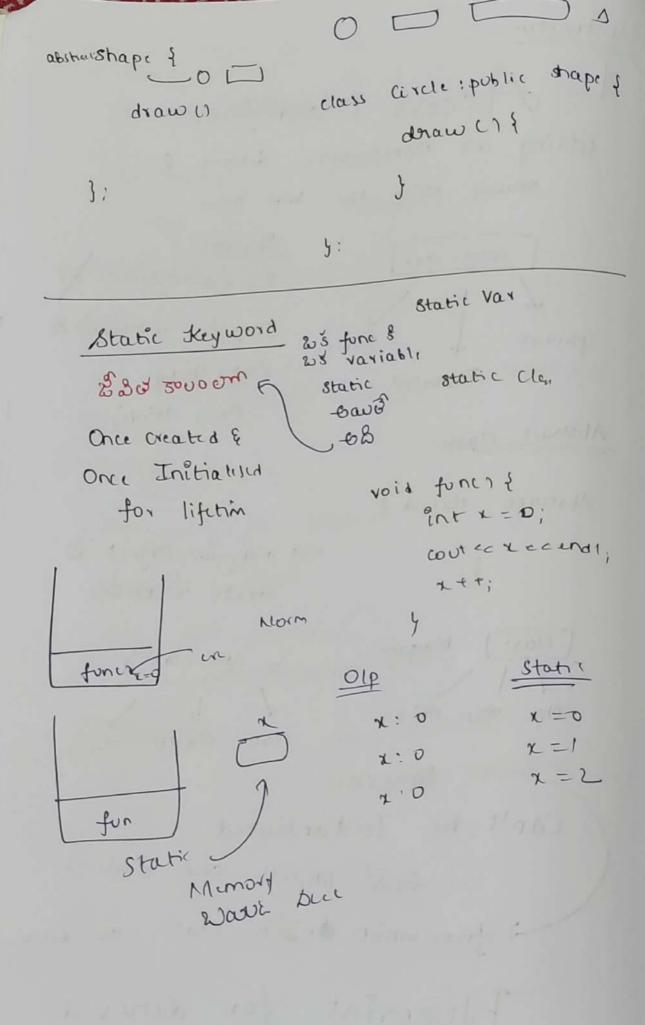
the fire water

Tr. Comments

Run Time Polymorphi
Function Overriding
Ovurloady Ovurrid
class Inhoritac
√ > P ✓ ←
P / C
c- parent class func - Overriden
Virtual functions
Dynamic in Nature
Virtual Luy word
Base om Declare
Child om Overvide Boto
Rontime class parent &
yirtual void showl) {
)
3;
class child {
A Svoid Showell
4

THE PARTY OF THE P

Abstraction
L. Access Modifiers
Hiding all Unnecessary details &
showing only the Imp part
Accell Mod By Den 63358 &
private Detattide
Protected
Abstract classy
Abstract classA {
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Obj. Obj. Obj. Obj. Class Class Class
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Can't be Instantiated -80\$ Objects exch 230030
I from which d. 333 class on During
Blueprint for during
Clan



if (thuc) } Static ABc obj; - 010 Main: Show cost co "Main and "cound!

friend fox & find class