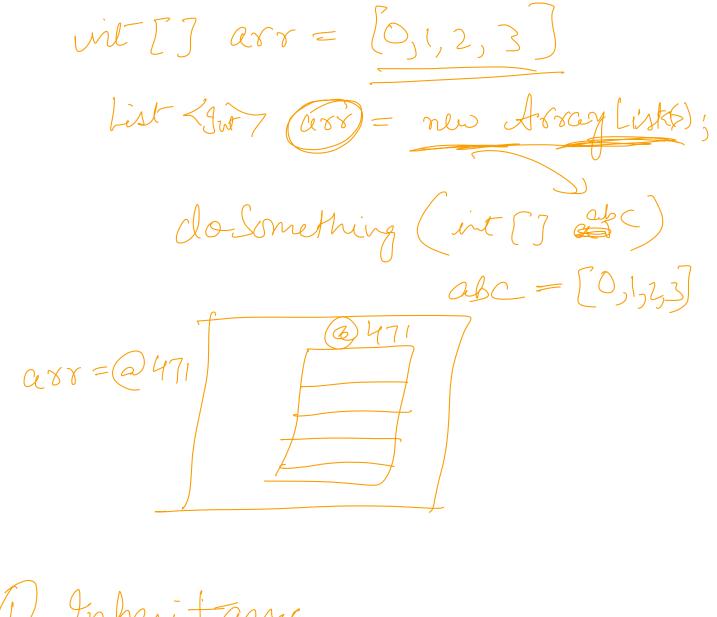


St = @471

St = null Student St abc = @471 abc = null Void do Something (Student abc) abc = nett; Student st = new Student (); Client = dosomething (st) SOP (St) (st=null) Sprint the address & not null



(1) Inheritarre

IRL = Dog is an Animal Eagle is a bird

Similarly OUP also allows us to form hierarchies between entities = ) share data and methods together

het is take the example of Animal

Animal > legs (attribute)

Animal > cantralk()

(function)

Mammals Rephiles Acquatic Dag Cat Human Pug Lebrador - Clan Bask()
Labrador - Dog This type of hier archy allows 24 70

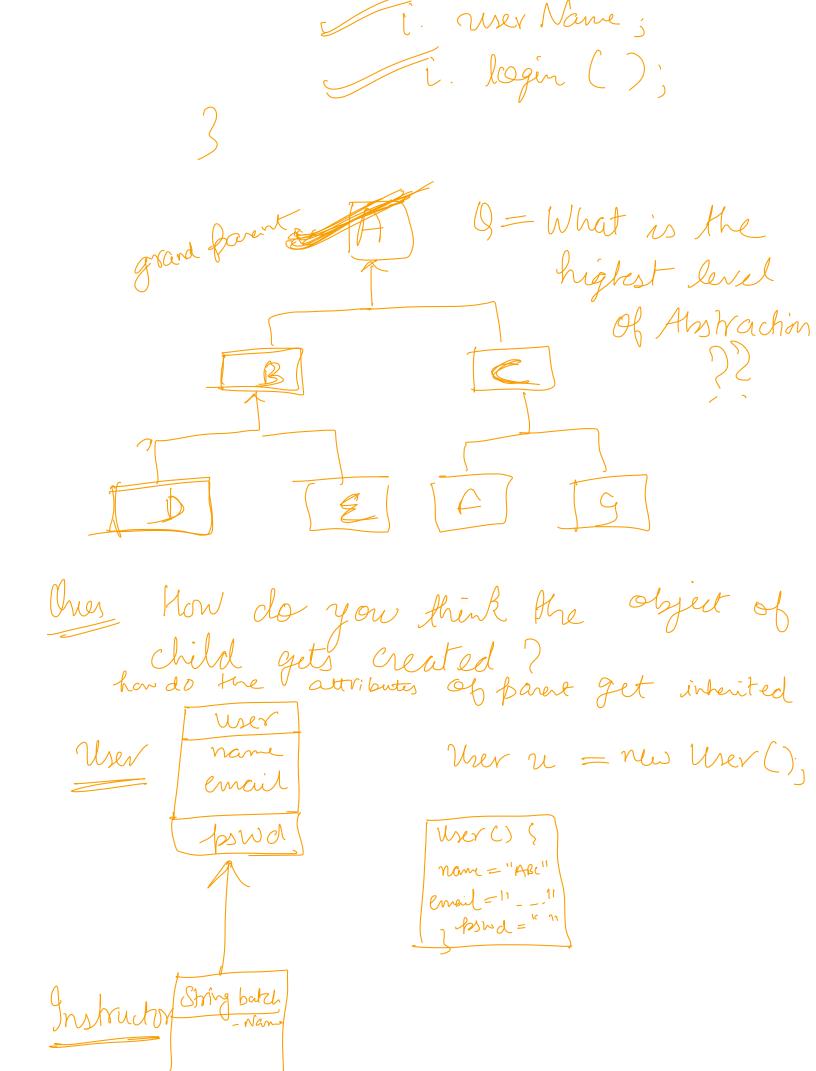
share 

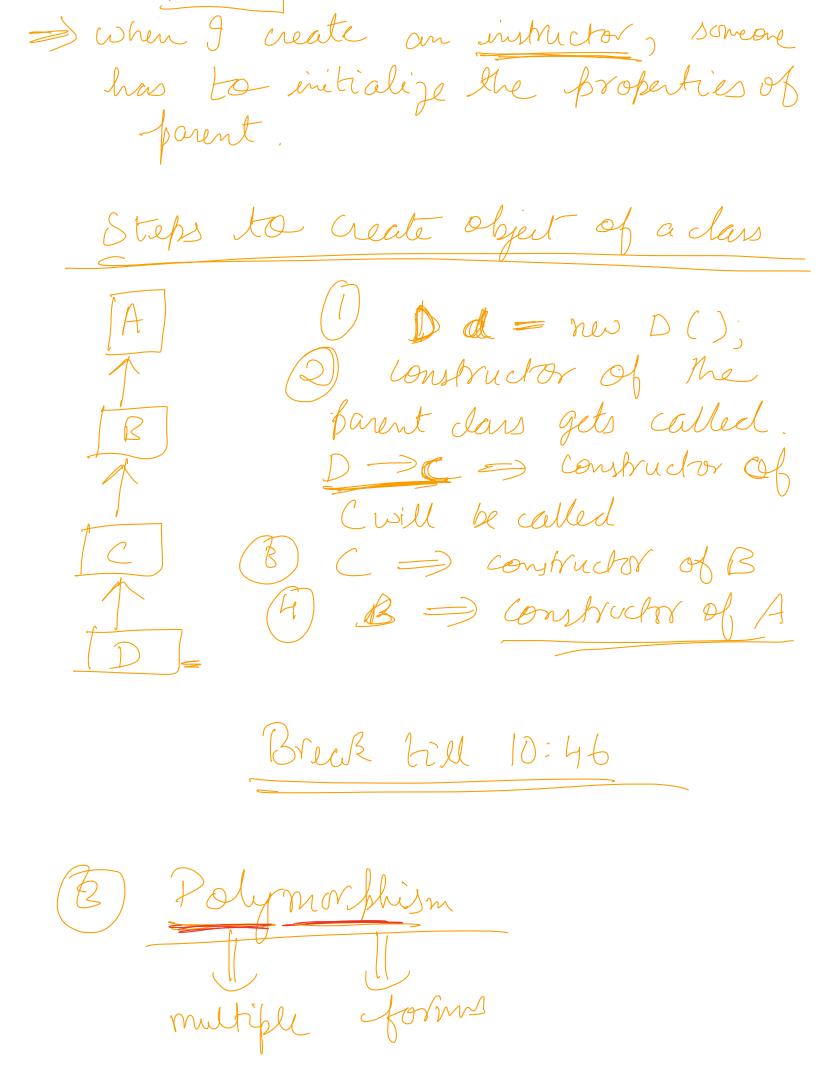
behavious We can do the same thing in OOP I it is known as inheritance. farent <> child Super <> Sub

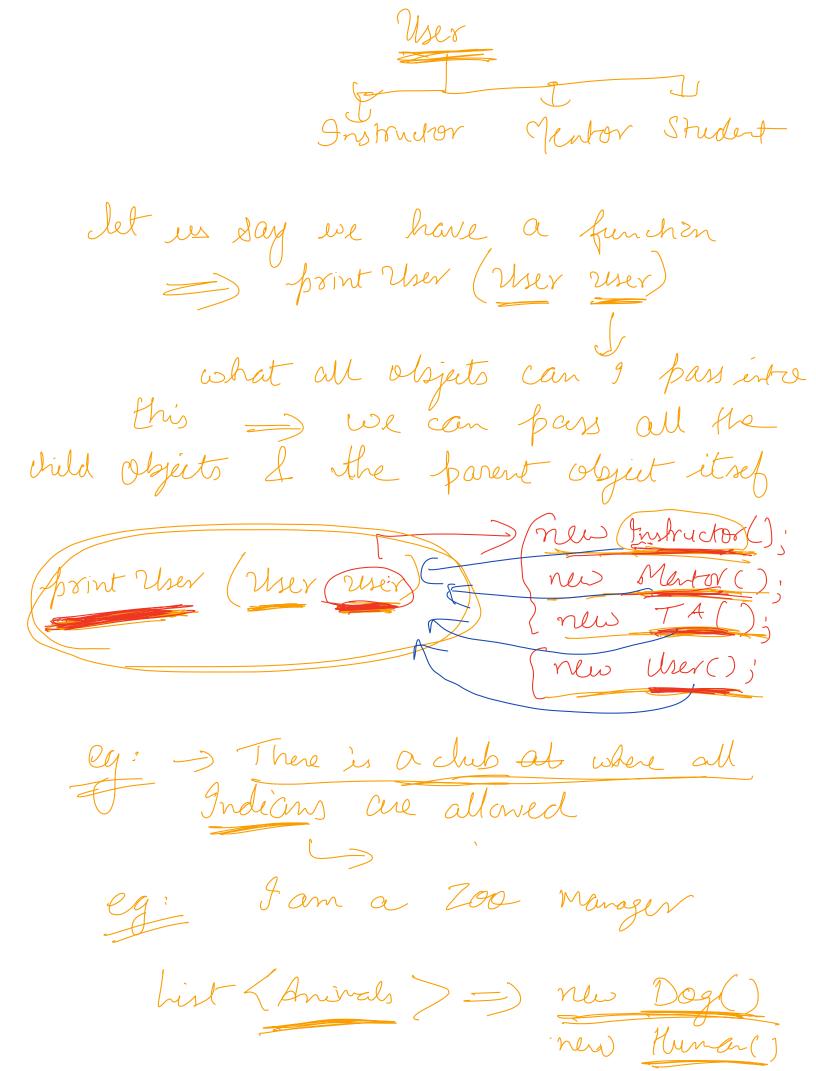
G: Lets take the example of Scalar S/W system.

—> reservame

Wser —> cantagin() Students Instructor Mentor TA StakeAttent() StakeAClass() flow to do in Java Clas User {
String reservane;
Void login() {3 class Instructor entends uno ; String batch Name; void take ATest(); class Main { psvm () } Instructor 9 = new Instructor() Ji. batch Name; t. takeATest ();







new Bird() print Ishnchor ()
print AA() User user = new User (); = new Instructor(); = Instructo i= new Instructor Uje Instructor i = new User (); Abhinar is Indians
M Indians are Abhinar Any variable of datalype of particular class fruit Entry (Aa)

-A a = new A (); Aa = x B() $A \alpha = new D()$ Class Bentendr AS Class Centends BS clas A { double pro String company; rint age; Striy wer Name double score A = new C();a. age; a-company; A closmething () { Chandom vandom = nlw Random(); if ( random, rent In() % 2 = = 0) { return new B () else return new CC)

new B() Attelhod overloadig Method oversidry