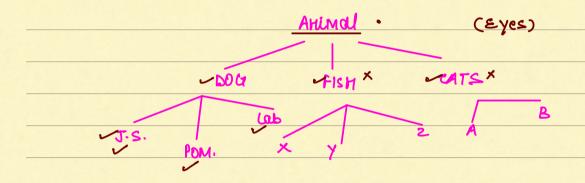
AUENDA
1.) Inheritance 2.) Polymouphism
7
staut by 9:05 PM

## \*) INHERITANCE:

## "Refusentation of hierary

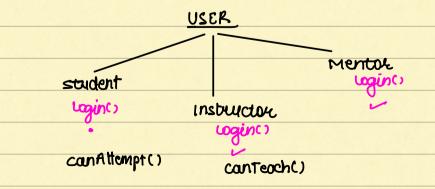




Inheritance

eg: scalor

useu - canlogin()



Pavent class -> superclass
child clace — subclace
How do implement inheritance:
closs user 2
· email
<u></u>
class student extends user 2
3
<u>user</u>
Student s = new student()
s. emailed $\vee$
s· pwd

Usele student student s= new student(); \*) HOW CONSTRUCTORS WORK W INHERITANCE: (SuperMost)
AC) ? BC) { CUZ D d= new D(); A > B > C > D class B2 BC)2 J B (string s) 2 3 z

Above concept is caused: constructor
Above concept is caused: constructors chaining.
U
9:58 PM 1ST
*) POLYMORPHISM:
# (best usecase of Inh.)
POLY - Many 2 _ Many forms
POLY - Many 2 - Many forms  MORPHS - forms Of same thing.
Authenticate User (User u) 2
••••
y
Authoser (list <user> u) 2</user>
710000000000000000000000000000000000000
. P
Users -> student/mentoe/usbuctor
lictCl)seks = new Amoullists);
list <usee>= new Arroylist();</usee>
U. Odd (new Student());

	u.add ( new mentor());
	This is Polymorephism.
#	On a sea of
# (**)	Ancmal
	DoG
	# (1) Ansmal a = neus Doa(1):
	# (1) Animal $\alpha = \text{new Dog}(2);$
	② Dog d = new Animal () ×
	Note: Allowed to put child object in favort
	datatype
	Jung
	Arinal-> a. height x
	a name v
	a. bark(); / 11 006
	a·walke); × // Arimal

\*) TYPES OF POLYMORPHISM: 1.) compile 2.) Runtime COMPILE TIME: / Method overloading ·) same method names for different purpose compiletime Polyman Eg: #1. AZ C Extends A 2 B queet()} greet() ¿ queet (12 "hello" listca>= [A,B,C,A] ·greet() hiv heuo ~

bye

hi U

