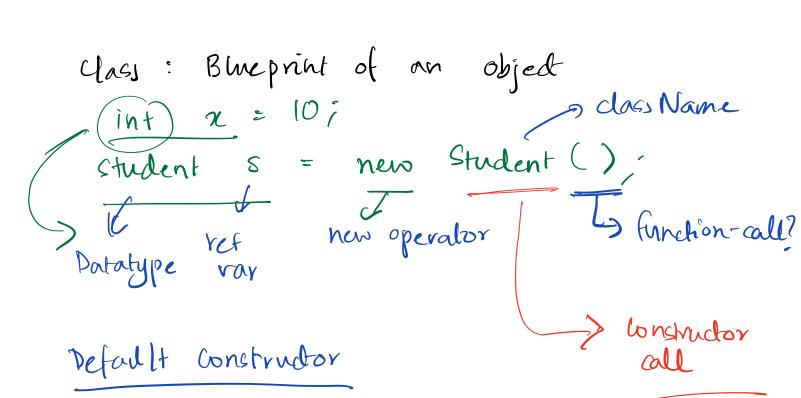
Agenda: 1. Constructors - Default - Parameterised - Copy 2. Shallow / Deep copy 3. Inhwritence

Constructors:



Class Student } int age; string name; String both i We could see this code Student () { this default constructor added by Java, not us. age = 0, nome ? batch 2 Detault Constructor: > compiler 1. Added by joven when no other is added by us. 2. No return type (Always returns dass type) 3. Assigns every attribute with default values. constructor name chould be exactly class Name, Student S = new Student():

S-name = UAkashu;

botch: hull-

Manual Constructors -> Parametuised -> Mu parameterised. Student () 3 name = " Default name"; age = 10; batch = 1 Some batch"; St dent () { nome = "Akash"; name = "Akash" age = 0 // default batan = null;

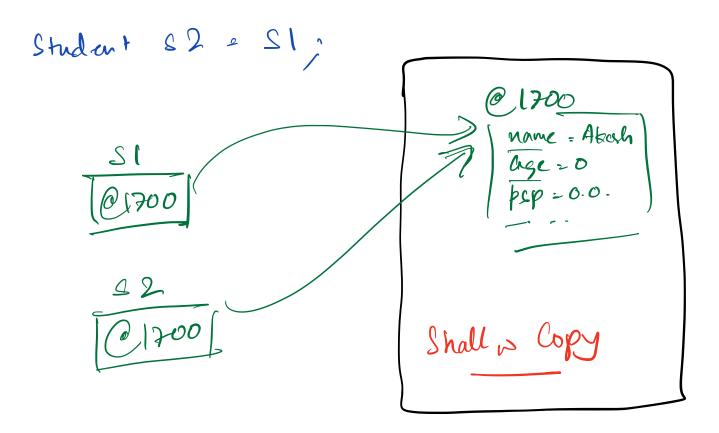
Parameterised Constructor Student () ? name = "Default name"; age = 10; batch = 1 Some Batch"; Student (int age, String name, String batch) { this. age = age; this. name = name; this. both - batch; Student S = new Student (10, Akash, Apr 23) new Student (3), X - Erros in lova new Student(); In Case we have writen only pavam. contractor (> new Student (10, dAkash, Apr 23) new Student (3), X -> Erron in Java new Student (); X -> Erron in lava Student (int age)

9 if (oge > 20) 2

this.age = orge;

copy Constructor:

Student SI = new Student ("Atash");



Student SI = new Student (10, "Akosh",

"Feb 23");

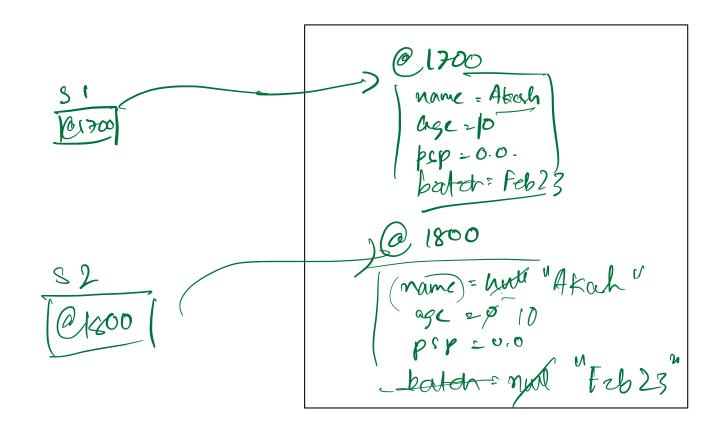
Student S2 = new Cfudent();

82-name = SI. name;

92-age = Sl. age;

S1. batch = S1 batch:

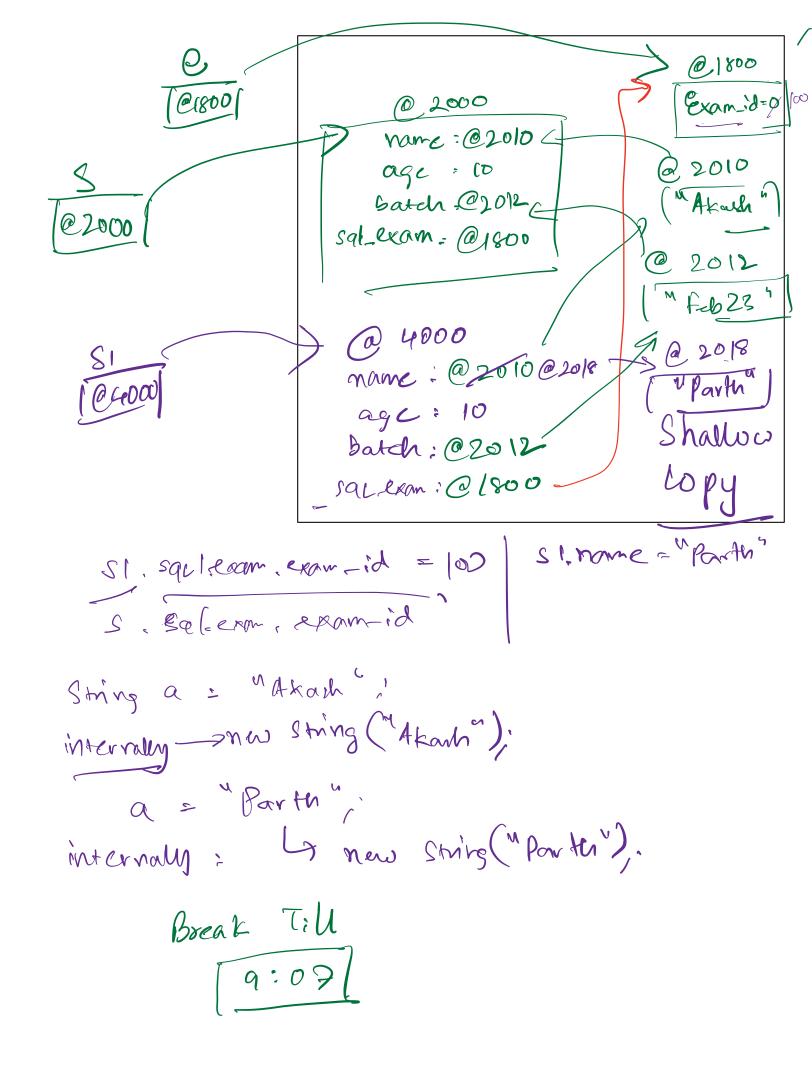
52. psp = S1. psp;



Copy Constructor Student (Student 8) } this. nome = s. name, Avris. age = s. age; this. botton = S. batch. 3 tuis - exam = s. exam; Student SI = new Student (10, "Akosh" "Feb 23"), Student 52 = new Student (51),

Exam e = new Exam(); Student S = new Student (10, "Ab", "Feb", e) Student S = new Student (5);

this sql-exom = e;



Inheritence: breathe() Animal child Mammals birth() Reptiles Humans Lab > Share attributes & starf (); logical relationship between the dull & parent dasses

User login() T)
Instructor Student Admin TAs
teachAdass() attend ass()

Does the child class have access to all inherited affributes 2 sensorisurs?

Unss User 3 int user-id

?

class Student extends Usu { String name,

3