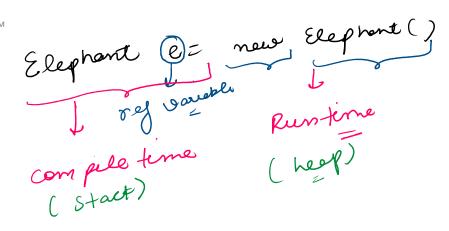
Sunday, February 16, 2025 9:55 AM



4 00085
Gobjer Duen kd I rog ramming

Classes

Objer

Obje

# In heritance s code reusanlety

class Animal s

legs;

eyes;

- (,lors Human &

Class Human?

Legs (.)

ent. or and 3 class (tumon of tends Animal)

- schild extends Parent

De when a child object is created, first Parent constructor 15 Colled, from the child con 878 webox.

P this 3 refer the whrens object.
Super 3 refer the passers object. Super. m (Super())

Does can only deal with default romstrues ys on its

Construesors on its our  $\mathcal{U}$ allowed

Paiera P: new child()

Child C: new Parent() X # Polymorphism one thing with multiple beta vior. foly meep his m compile fun time (method oreleandy) teme (method overleading) n retuentype doern't relp in method oney parons decide that. 3) Method overiding Run fine polymorphism

Run terre 1 U

3 Object decides the method 3 ref decides the variette

Sett Integers 5 = new (foohseta);

Tree set ()

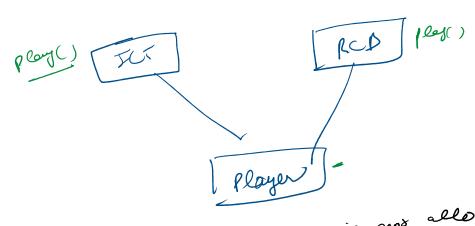
Honset Traesa we

-> Binding methods and variebles together # Encap sulation to have a better con trol on their alers. Access modifiers -> private]>

s protected

s default

s public > private 3: only wether the class s défault ? voitien the same Package 1 protected - within the same packets to in other factory) 1 public : everywhere # Abstract lass class extends class  $\bigoplus$ Class Implement in tesface integace extend in terface



I multiple To here touce is not allowed in Josep.

mallife interfaces con be implemented by a single class

Abstraca (190)

abstract clots X 5

(abstract ();]

Abstract methods can only be in side an abstract class

st esatic

# static # final (final) s pmndyle -> class: commot be inherited method? cannot be overriden Jalue has so be
producting during the object
producting during the object
creation and its
be drayed \* Static

method: associated with class

variable: common to all the instance