OOPS = Programming ] > Classes & objects
object Oriented class > blue print / collections of objects g. map - paper -> Brilding Object s Real entity/touchable

Person -Male + Female Rohan - Object of person class Dog - brevior behavior Height/weight Gestures Walk/talk/ent

Pesson & L's Object -Properties - variables name, afe, rn. L'behaviors - methods = getvame()

Calculator > Ook concepts / A pillars: 1. Inheritance -> Parent-Child Sc. cal. J. Encapsulation & Caprule > Collection of medicines

3. Abstraction > Hide the Implementation

Guide 4. Polymonthism many forms | Area Carcle

Veg. 7 [Wash]

1) Variables - container that holds the value Syntar: declare , inta;

define/initialise = a = 100;

Main! Aurent ... declaration along with - 7 int a= 60', initialication -

Types: - (1) instance variable > (2) Static Variable (3) Local veriable (4) Référence Variable

I) static - using static Keyword non-static/- no use of static Keyword instanco public static void maon ( String ? orgo) &

3

Static Area Melhod Non-static vriables instance can be accessible with the help of class objects Claus object: Scanner obj = new Scanner (Systems in) Class Name any val-name = new class Name ();

vertable veries as the create # Value of instance diff object If clan.  $\begin{array}{c|c} c & \hline \\ c & \hline$ int a = 10; instance Sobject Level C  $A^{oh}$  new ClanA().  $C \cdot C = [00]$   $b_i = new ClanA()$ ; Class A ClassA

Teacher - pour - Corrections SI -> Japer Cometions paper Correction 53 Japer Correction 54 paper Corrections 55 proper Correction

Share the Memory. # Static Menseus presinsles HOW! Class A & Static Mm > Static 3 = 100 500 Variables statueent 6 = 100; Heap M/m = instance/

A obj!= new A(); obj!

A obj2 = new A(); obj!

Object

Obj2 = 500

eacher Blan. ٦

Static M/m gets Enitalised/ M/m allocation at the time of class Loading. > Source Code -> A. java > Compile -> javac A. java -> Byte Code (· Class) 7 Run -> JVM

Slatic main / Class, - Byte Code

| Slatic main | Tomas Loaded Loads the Class | always start (1) Statio -> Statio M/m (2) N.S -> Heap M/mb - lhe execution from main () (3) Local > Stack M/m

String S: new Stery ("Test"); Heap Mlm - all Class A obje [new class A();