Day - 2:-Variables in Java: 9t is a Container to Stoore data in a memory. Variable has: , Nane . Data type. . Value. Syntax: Datadype Name = Value; sample: int a = 10; Types of Variables in Java: o) Local variable: Declared inside method. - Exists only while using medled yours public void main() { int ;=10;

B) Instance variable: Dedared inside a class, but outside moderds Each object gets its our copy. obji. name = "Ebi"
obj2. name = "Emi" c) Static variable (class variable):-. Declared with the Keyword Static. · Here only one copy shored by all obvices. . It any charge hoppen affect all class. · Memory allocated only onle. if we caute two objinacloss. fue caute two our in give the value.

The last object what we give the value.

The last object what we give the value. D) Final __variable :-It is constant, we const change its value. First int x = 10; X = 11 % // chinat change; ? · l=(i . Scape of variables: boad, Instance, Static خيريا ده ing land Variable De Elavation: int a = 10; int or ! Il declaration a =20; (1 Inidialization. ald one

Can boson our. I

Data depos in vava: It is the type of data that variable can held. There are two types of detadypes: Primitive / Non-Primitive. Primitive DT byte-8 Les gle. MIN. VALENE Byle. MAX-VALUE 501 - 16 grt -38 For Printing Natures. 1079-69 Flot-32 deedle - 63 char - 06 boolean - true / Folse. Non-primitive (Reference type) Strings Level - John 12 1 fail arrays closs Indoplaces enum. records. Literals: are Fixed values written directly into the code. Default values: inta; 10 brolean 60K// False. String n; // null.

. Var (load type reference): Var - an be string / Int. edc. -we an assign Value From one detadype do another dype. Type Casting: There are two types of casting. . widering costing (automatic) smell > big · Navolanding (manual) big -> small. by te = 127 4if it Rounding :-256-132 It cut of decimals. using, double d= 5.7; int E = Mat. round (d) Parsing String :. we does not convert "123" to int. string 5 = 123" double d = Double - Posse Double (100 int n = Integer. purseInt (5); A wrapper class wraps Primitive deladype (ind., string Mapper class? double) Into or object. Because (Java Collections, like A vioy List, thehmap. only work with . Diects and Primitives

int > Integer) I sinteger > int. casting objects: upcasting -> (child > parent) Douncasting (parent > child) Animal - pount class Dog-child class . Dog mylog = new log(), Animal my Anim = my Pay. -> expending. Animal mythim = new Pog(); Dog myDog = (Dog) my Arimal; String, Big Integer, Big docimal. 5tring - is immutable too Big Integer - used de store larger Han long. Big Decimal - do store Precise decimals.

Types of operators in Java: 1. Avithmetic operators. [+, -, *,/; %] 2. Mrany operators. [+,-,++,--,!, ~] 2. Assignment operators. [=, +=, +=, *=, /=, /=,] 4. Relational operators. [== ,!=, s,,z; == K=Jos 5. Logical operators. [dd,!] 3. Logica.

6. Bitwise operators. [& , 1, n)

7. shift operators. [22, >>>]

8. Termary operators. [Variable & Condidion? V True: Value folks. q. Type operators. La Instance of Dojall were madige depoint object of a class. Lemisal Bar Letter 18 Consider bottot alubummi en gosta Colored and the base

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