Types of inheritance: One lass extends another class Lingle inheritance Bon weight 2) Multi-level senhantares: One close can inhait derived class, deasted class become grown for another class Bon Paice can Enhant Bon weight of Bon Price lace Animal { void eat () { System. out printer (" Arimal (an eat"); clase Dog estends Animal ? vold Books) { 2 System-out-printer ("Dog Bearles"); Animal can eat. close Pippy estends Dog {
vold weap () { System out printer ("Puppy weeps"); pulle close Main public static void main (String [Jongs) [Puppy PI = new Puppy (); Pleati); > We all eat in Amenal class.

3 Multiple Inheritance: Ono class extend more than I class C Obj: new C();

Not allowed &n Jan.

We will do Right interfaces

C can access A & B interfaces Not allowed En Jara C.n // Olp: will be confued A Hierachecal Inheritano: One class Exhaited by many classes A Doesn't class BC D child class Claes Drimal & Parent void eat () { System. out-printler ("Arimal (an eat"); claes Dog estende Animal E Child D vold Book () { Books Dag & Cat Can Eat , System. out println ("Dag Books"); Clases Cat estende Animal (child @ vold moow () { System out println ("(at Meaw"), (5) Hybred Inheritaire: Both Multiple & Herrachiel combine Doy Cat Hierachial

Greek words Holymorphiem: Many ways to superesent Run-time / Dynamic Method Ovaridking I compile time / Method Ovaloading =) Same Name but type, arguments, Return type can be different, there Eg: Multiple functione can be overloaded. Constauctors Eg: Method Overloading class Helpes & Same Class name Static are overlanded Static int Multiply (Ent a, Ent 6) { 3 We can also add esotra entc return axb; axb*c; Static double Multiply (double a, double b) { 3 section a * b; class Polymorphism { puelele static void main (Storing [] args) { 1 System out printer (Helps. Multiply (2,4); Based on System out. printle (Helper. Multiply (5.5, 6.3)); argument Method Oversiding: Run-time polymorphiem. In which the compiler can allow a child class to implement a specific method ralaxady powerded in the parent class.

69 class Parent [Julolle void show Of Sigeten out printer ("Inde Pasent Class"); Claes sulodaes l'extende Parent ? pullic word show () { 3 System. out. printer (" Inside Subclass!"); Clase Sulvass 2 estende Parent & pulela vold show () {

System. Out. println (" Treside guledoes 2"); puller dass Mais ? Julelie statie vold main (Storing [] auge) ? Parent P; Here we called sulclass 1 & 2 p: new sulclass 1 (); p. Show(); p=new_eullass2(); p. Show(); Do, Pasent Class dans not Luglay. Inerde enbeloses 1

Inerde enbeloses 2

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