· Pirst polox object + chass Classi a series + functions Attibuter le cons object: 85 Millausons. : object gim x class class (neinoly) [in class main a object \* \* Die injoindmolered de cools (singles). · Class mainistobjet des coll x 13 19: 825 12 Sa object I l'ai évolo en class de , Clist Blogo class Il meinos teit a class Il mossin Up prior legent class Il legent Punctions Il class It lip us object soil alles to car 4st class vies dei vies volded ever functions Amilates class an object by lo Ly we do Al a asie is a objects lais in

Object: · class ne asminsépheses -- classi), éset functions de Attributes d'Aprilie object l'insie - ال علاق على على على الله ومويه Attributed functions considerations e Attributes position de las Iliano atinis jura objects linguiex م الكلاس سُمَّا حرَّة ولورة . 03 12 J AS 6 2000 25 \$ 500 814 Object JA, test) Ary() cols function Pism & object (A) This de method test ons

Constructor: object 11 ship in class of motion as \* ستخدم ليونية المعرّات ولمعلاق (ولية واستعلى noitrus التي ويدنين عامع بدوالبوناج boolean, char, string int a itole wing x \*

Leit eselvente in land la line of the control of the : Di Si Constructor reisi Seri Sex - الم يَعْلَقُ على Constructor عدالمثالي فيعد البارامسر أوفي سَمِيعِم مع عندما لا يحد دا خال الحقود أي Constructoris وقدة بإنكاء test في السرنامج تعوم بعل Golfiel Constructor contructor + this: constructor do 10 = 12. Jajosto this Cojewldes method 1510 constructor oblinges Xx Constructor distal shis Bix Circular blill wir Set

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Static attributes + Static methods

-: Static attributes \*

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Attribute, soile: int, Char, String, float, boolean

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Static sizes 20bject Size all sizes

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Static attributes : weist x - تم إنشاؤم عرة واحدة عند أول مع واله . objects 1/ 22 as = as = as = sur-. Object I my Class of my last bling -. Static attribute 10/30 ~50 pj8 Static method method I do six belegistich method loss is static method come is !-· Static go - Static \* main the losiein Static U/X (static wice) us meshod visstatic attributers in insa-\* 20 pirmis attribute to local variable & mist x \* This als attribute 114 attribute + meshod = member RAMONTO White the world the will

\* In heritance: \* ledis: \* un sil explo for qui distran explo Tie. 180, 01840 \* in soll best for distributes of distributes of the man lever of and Private Eine (il attributes ) [ Le lovis] edie Inheritance Joseph Public class a extends A 4/K2 4/Ku . Super class , USI Sub class: iv81 عادةً: كَالْكُ لِمُعَارِضُ مسالابِنَ و أَنَاكِ عالَمُ اللَّهِ اللَّهِ عَالَمُ كَالْمَاكِ وَالنَّاكِ : عادةً ال , yes wifely Ilbollem eleblow - regul umiting. عين موجوة بوع بين الحاب موجوة يستنهوا Error de cospie اكن إذا كانت ال meshod الم معرودة عنذ الحبن والذي يبدأ التنفيذ مد الابن. X Static meshed can be X Inheritance

\* Override + overload: in 2 methods المنافقة أكانوس method سعنة أكانوس عيد المنافعة المن Pracies di injus vien le parameter di mes parameter di mes position vien di les villas parameter di mes para itis ver \* James Inheritance servises static method \* overriding ~ St ~ i \* midus 180 learl 18 ais Ibookson Herein 1610 20 Dención 180 3. Eover loading? Parameters d' su ciclis - Su l'en leur vou introd se - esté d'es su method se نوعها أوترسيوا. Super: عن علمة محجونة في جاف ا تشير إلى ال seals الأب ومتفيرًا من ودوال ال seals الأب : Superials oblimit - استعاد متفيزات ال class الآن -. Tistand U'd clas II meshod slemil. وكا class الهاء (constructors) النباء والتاء الماء الماء الماء الماء والتاء والتاء والتاء الماء . Constructor Il (me) & this of Super 3518 X Constructor liver via in los instructor division vias instructor division via divisione via divisione

\* Equals

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- لاتقع بمقارنة محتويات الهاع زطه .

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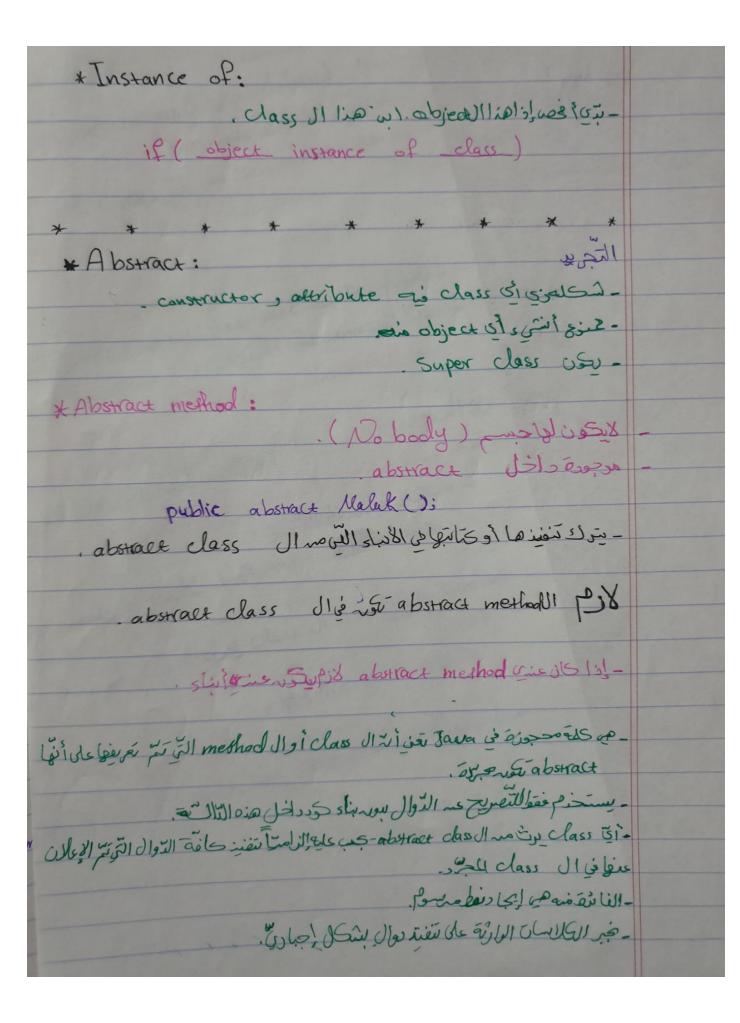
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\* Polymorphism: - as pointer on its Iti is a de on its low pointer on - was earl 18,0 10 soudines ello functions l'eccos en 1840, mil prider . overriding 1 ms de Punetions JI Exil in a function of power one intime functions I por usa is -SS villives at the meshads le l'entributes de l'est plant de object s Lingie + - Kis und list ibutes l'a se meshods le attributes l'ord est eile يستطيع الوصول إليري. 9 polymorphism d1 UETas x . معاف مسالاً وخلَّ وَتُلْتَ وَاللَّهُ عِلَى اللَّهُ عِلَى اللَّهِ عَلَى اللَّهُ عَلَى اللَّهِ عَلَى اللَّ public class a extends A A ab= new alling (upcasting 52 no) but Tout

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Up coasting: polymorphism	
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Down Casting:	
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to call Sub class's me thoel:	
⇒ do down Casting.	



\* Interface: as drieste Inhold of resido as regallessis : Interface distail, Lies-Interface d class at is in whe class land Interface A : Interface class Me usel class Il im (sid) body Will Interface Il vis all functions Il US O Public add trestadins public uso functional lespublic void Malak (); . Pinal alsalosta final [ils lais thind] × كما سؤال قوى ع تولة حلاس مس مل الملود هاى ؟ : Billy develosis public class Malak implement to Hala Inverface d' l'és of method d' sue as class d'il più out overriding pollogo polymorphism det just un objectais detrielo-

\* 16/10 histor public class Malak implement Hala, Syzan guan Hala ic I's method II is in , Final bilde method Il is i Lisa-· final = method Il 50 lois-- avertide ble some final class > Super source & soul & alle 1 - sie Attribute final > leve an zie