2102024 - Sharrafat Chapter 1911 (Inherotance) and a ent odal (b everdonding -on everdonded method has the 9.1 soutongie transfil , tod , sman a) Inheritance b) public and protected c) is-a or inhercitance d) has-a or composition of the e) hierarchical produced stand stand Marate Commission Employee commissional properties (2) cosr constructore separamidioissimodeulgeepe sidual super supe Sterne hist Stund son gonele egles deuble note double solany) to commission Employee = new Comission inployee b) False. A has-a relationship is limplemented via composition. An is-a relationship is implemented via inheritance. c) (fabré. of his sis sant example of has-a relation Class tomento mother an is-a relationship with class rehide.

William He Lagrange Lagrange d) False. This is known as overcriding into overdeading - on overdeaded method has the same name, but a different signature. bulsaling har silling (d contractoralis no xin to public class Boselles Commission Employees prevate double basesalary; prevate commission Employee commission Employee; public BasePlus Comission Employee (Strong First) String last, String son, double sales, double rate, double salary) { commission Employee = new Comission Employee (
dest = 32 hyrsales, Hate), Haber 10-201 A galar de EtBase Salary (salary).

South in the ment of the salary).

South in the ment of the ment of the salary of the sal public void setfirestname (Strike tidst) ()
commission Employee setfiresthame (Firest)

public void sotlast Name (Strong last) (.
) commission imployee testlast Name (last); public void sat Social Security Number (String ssn) { commissionEmployee. setSocialSecunity/Number (ssn); publie void set (Arrosssves (double gross): Commission Employee. set (smoss Sales (gross); public roid sel Commission (double Commission) commission Employee, set Commission (commission); public void set Base Salary (double salary) if (salary 20.0f) this base Salary 2 salary, throw new Allegal Angument Exception (Base salary most be \$ 0.0 f" +O THE SHAPE Commission In Designation

public String gettirest Name O reducen Commission Employee get First Name (); public String getLastNorme U.S Industry commission Employee. getlas Hame(); public String get Seial Security Number 01 return commission Employee get Social Security Numberly public double get Gross Sides () of return commission Employée. gotennos Sues (); public double get Commission Parte U} return commission Employee, get Commission Ratel public double getBaseSabary () { return this basesalary ument Reception (public double earthings by commission Employee earnings ();

public string tostring 0} recturen . Strang: Foremost ("705 705 \"705: 70.2F", "bonse sodarved", mmission Employee, to Strong ();" base salary, getBase salary (); [Lindhows J. J. Windhison J. of Example Tournels [Couds] Epicone Inheritance can promote defect reduction by code reusability. In this scenario we can a common base dass of so it makes the eade more reasier to maintain. cause less control 7:00 and other n student Ch the odiner Land Criaduate Undergraduate Master Student Doctoral Student Freshman Jumior Seniore Sophomore 11 163

Here our code will extend just like the above diagram, one and will maintain the hierereby. 1 Shape 1 16 18 month of many religion to a street or one Two Dimentional dimentional. Quadrilateral Triangle (Grade) Epherse [Cylinder]: 9.7 If we wante to make Loure members of a class visible to every single objects, so that objects can maify members treely But it may cause less control over code and other reisks, him On the other hand private will make sure the security of its member se objets conit directly

Quadreilate mond) Trapezoid Parallelogram? Rectangle Savarre Code lis on the IDE to notwine out 9.9 a) super, earnings () calls a method directly from the partent class. Overvide will replace a correct method with a parent child method. c) super (firest Argument, second Argument) will com the constructors of parcent class. It must have to put before anything else in the childs constructory.

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a) class Onange extends Fruit; b) @Overroide e) super (shape, colors, enforcies); super keyword can be use to so the constructor of parcent dass. It is prody useful herre Supera beyworld is also used wh calling the method of a parcent das 9.12 class we can simply use supek

Leyword. Our syntax will be liket

super. decode(); Using get methods provide encopsulation and morre control over members of a class. Anyone cannot just roundomly access the values or modify them. It enables morre flexible and bug-free way of coding. So we can neuse our code in morre ways.

To create a superiolass Employee, we can gather all common attributes and methods and combine them into a