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public class Main Al Classes and object: Class Student (Brinks) Motudent is class String name: 11 field by Hood (internalinamber, 1) offither Hoodpin ((ovoide study () methodo matopo System.out. println (mame + "is studying ..."); 3) Inheritance and Protected mismo sonstinent 18 public static roid main (String [] args) { Student students = new Student (); Allee Mobject creation

Students. name = "Allee"

Allee "

Allee " class manager endends Employee { 2) Accens modifier of sparam & roid Marrage () { Class Book & private String title: // Private variable public roid setTitle (String +) & lusing this to ((gono [fille ist) rion bior sitoto secono osasely public 8tring getTitle ()-toponom title 9 neturn title;

Al Clamer and object: Public class Main Public static void main (String [] angod (1) Book my Book = new Book(); Brists my Book setTitle ("The Alchemist"); System.ord.printly (my book getTitle ()); System.out. printly (mame + "in studging."); 31 Inheritance and Protected Accessions class Employee & riom bior situte silding il) trabult " = new Student ();

strang role = "Alice"

Audents. name = "Alice" void work () [
System. put. printin (Employee is working); class Manager extends Employee { roid Manage () { System. out. println (note + is managi) Noo oteams) private String / Private varieble public class main (string II args) { manager manage () il isHit monten

```
m. work ();
       m. manage ();
41 Encapsulation:
class Student
       private String intage;
        public void setage (intage) {
            if (age >0) this age = age;
        public int get Age () {
             neturn age;
public static void main (String [ ) arroys) {
          Student student = new Student();
student - set Name ("John");
```

Abstract Class:-Encapsulation abstract class Arimal & class wallet of abstract void make Sound () and storing void sleep () (system.out.prantln ("sleeping)) (octourno) fi class Dog extends Animal 200 = 1- 190000 void make Sound (b) & slow sidual sildua System.out. prantin ("Bark Bark"); public static void main (string [] angs) & public (classomains telloupen tellou public statice void main (string [] arge System. out. print(1) go Ownson = balogo . "+ nywallot (() make Sound (); d. sleep();

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interdace Scimoble & 6. Interstace interessace Arimal ? Isminh esperation baniss d'aldresse somable is désine class Dog implements Animal & solo BA solvered trum to partnernistyming solo BA public void sound () &
System.out. printle ("woot"), topp ("misses) publicadelass main & language 2000 public static void main (staing Clauge) t al Dogs of the Dog Dogs : Stranglant lingues t d. sound (); and Scormable 20 Plf prov silgnd System. gut printle ("Seagull is flying aver.