Java program for simple Inheritance.

Input: Create an object. Output: The dog Barks.

Class Animal &

String name;

Public Animal Cstring name) { this name = name;

Public Void make Sound U1

System.out. println (Animal makes sound);

Dog extends Animal ¿

Public dog estring name) {

Public class simple inheritance f

Super (name);

Public Static void main (String [] congs) {

Dog dog = new Dog ("Barks ");

d. make sound (1)

Java Program for Constructor inheritance (2)

Input's Create student object with name age and grade outlet's Display the name, age and grade of student.

Class persond

String name; int age;

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Public Person (String name, int age){
        this name = name ;
        this age = age;
       dass student extends person {
     3
           string grade;
        Public Student ( string name, Int agell
           Super (name, age)
           this grade = grade i
        public class constructor inheritance
           public static word main (String () arge ) 2
             Student S = new Student [10];
             S. display();
3 Multilevel Inheritance for Java program.
     Input: Car dass and speed, fuelty le, battery Capacity properties.
    output: Display all properties of electric cor.
     Class vehicled
           int Speed;
          String fueltype;
        Public vehicle ( int speed, String tueltypes)
             this, feed = speed;
            -this. fueltype: fueltype;
       Class can extends vehicle?
              Super (Speed, fueltypes;
   3 4
          Public Class multilevel inheritance &
          Public Static Void main (String () orgs) }
```

Electric Con e=new Glectric Con(electric, 100); e, display (); Java Program for Method overriding Enheritance. Inputs create objects of circle, rectangle and draw output & browing Crock and Redangle. Class Shapet Public void drawcs { System out pointly ("Drawing a Shape"); Class circle extends shaped Public void drawcs & System. out. println (" orawing a circle "); Public Class Method overiding & Public Static void main (String [] args) & Shape (= new circle(); Shape r= new rectangle (); C. draw(); r. draw (); program for Inheritance and Access modifiers. (5) Input's Create manager object and acers private, protected, Public. output's Private access.

Class Employeed Private String name; protected into id; Public String department; Public Employee (String name, int id, String dept)? this name = name; this.id = id; this. dept=deportment; Class manager extends manager ( Public manager Citring name, String dept 12 Class Access modifiers? Public Static void main (String [] args) 2 Manager M = new Manager ( Sales); M. display();