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| A picture containing drawing, stop, room  Description automatically generated | Core Java  Practical #4 | | |
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| **Subject/Course:** | Core Java | | |
| **Topic** | Inheritance | | |
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| **Multilevel Inheritance** | | | |
| 1. Write a program to implement the following logic:     Write the class definitions, constructors and methods that are necessary for the above class diagram to work properly. | | | |
| package practical\_04;    public class Employee {  String name;  int salary;    public Employee(String name,int salary){  this.name=name;  this.salary=salary;  }    public void print(){  System.out.println("Name : "+name+"\nSalary : "+salary);  }  }  package practical\_04;    public class Manager extends Employee{  String dept;    public Manager(String name, int salary,String dept) {  super(name, salary);  this.dept=dept;  }    @Override  public void print(){  super.print();  System.out.println("Department : "+dept);  }    }  package practical\_04;    public class Executive extends Manager{  String location;    public Executive(String name, int salary, String dept,String location) {  super(name, salary, dept);  this.location=location;  }    @Override  public void print(){  super.print();  System.out.println("\nLocation : "+location);  }    } package practical\_04;    public class Practical\_04 {    public static void main(String[] args) {  Executive e1=new Executive("Bruce",10000,"BSCIT","Mumbai");  e1.print();  }    } | | | |
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| **Hierarchical Inheritance** | | | |
| 1. Write a program to implement following logic     Write the class definitions, constructors and methods that are necessary for the above class diagram to work properly. | | | |
| package practical\_04;    public class Practical\_04 {      public static void main(String[] args) {  cd c1=new cd("tu pagal","mp3",3,"me",5);  c1.print();    dvd d1=new dvd("zero","mp4",180,"koi toh",1,"bruce","romcom");  d1.print();  }    }  package practical\_04;    public class media {  String title,format;  int duration;    public media(String title,String format,int duration){  this.title=title;  this.format=format;  this.duration=duration;  }    public void print(){  System.out.println("Title : "+title+"\nFormat : "+format+"\nDuration : "+duration);  }    }  package practical\_04;    public class cd extends media {  String artist;  int not;    public cd(String title, String format, int duration,String artist,int not) {  super(title, format, duration);  this.artist=artist;  this.not=not;  }          public void print(){  super.print();  System.out.println("Artist : "+artist+"\nNo of Tracks : "+not);  }    }  package practical\_04;    public class dvd extends media{  String director,genre;  public dvd(String title, String format, int duration,String director, String genre) {  super(title, format, duration);  this.director=director;  this.genre=genre;  }    public void print(){  super.print();  System.out.println("Director : " + director+"\nGenre : "+genre);  }      } | | | |