1. **Multilevel Inheritance:**

package multilevelinheritance;

import java.util.\*;

class Employee

{

private int id;

private String name;

void getEmployee()

{

Scanner sc=new Scanner(System.in);

System.out.println("Enter employee id:");

id=sc.nextInt();

System.out.println("Enter employee name:");

name=sc.next();

}

void putEmployee()

{

System.out.println("Employee id:"+id);

System.out.println("Employee name:"+name);

}

}

class Manager extends Employee

{

private String department;

void getManagerDetails()

{

getEmployee();

System.out.println("Enter department:");

department=new Scanner(System.in).next();

}

void putManagerDetails()

{

putEmployee();

System.out.println("Department="+department);

}

}

class AreaManager extends Manager

{

private String location;

void getAreaManagerDetails()

{

getManagerDetails();

System.out.println("Enter Location");

location=new Scanner(System.in).next();

}

void putAreaManagerDetails()

{

putManagerDetails();

System.out.println("Location="+location);

}

}

public class TestMultilevel

{

public static void main(String args[])

{

AreaManager a=new AreaManager();

a.getAreaManagerDetails();

a.putAreaManagerDetails();

}

}