**Name: Jesnamol Thomas**

**Roll No:6**

**Batch:B**

**Date:17/04/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 12**

**Aim**

Create a class ‘Person’ with data members Name, Gender, Address, Age and a constructor

to initialize the data members and another class ‘Employee’ that inherits the properties of

class Person and also contains its own data members like Empid, Company\_name,

Qualification, Salary and its own constructor. Create another class ‘Teacher’ that inherits

the properties of class Employee and contains its own data members like Subject,

Department, Teacherid and also contain constructors and methods to display the data

members. Use array of objects to display details of N teachers..

**PROCEDURE**

import java.util.\*;

class Person{

String Name, Gender, Address;

int Age;

public void persn(){

Scanner s = new Scanner(System.in);

System.out.print("Enter the Person Name:");

Name = s.next();

System.out.print("Enter Gender:");

Gender = s.next();

System.out.print("Enter Address : ");

Address = s.next();

System.out.print("Enter Age : ");

Age = s.nextInt();

}

}

class Employee extends Person{

String Empid, Company\_name,Qualification;

float Salary;

public void empl(){

Scanner sc = new Scanner(System.in);

System.out.print("Enter the Employee Id:");

Empid = sc.next();

System.out.print("Enter the Company\_name:");

Company\_name= sc.next();

System.out.print("Enter the Qualification:");

Qualification = sc.next();

System.out.print("Enter the Salary:");

Salary= sc.nextFloat();

}

}

class Teacher extends Employee {

String Teacherid,Subject,Department;

public void teacher(){

Scanner sc1 = new Scanner(System.in);

System.out.print("Enter the Teacher Id:");

Teacherid = sc1.next();

System.out.print("Enter Department:");

Department= sc1.next();

System.out.print("Enter Subject:");

Subject = sc1.next();

}

public void Display(){

System.out.println(" Person Name : " + Name);

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

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

System.out.println(" Age : " + Age);

System.out.println(" Empid : " + Empid);

System.out.println(" Company\_name : " + Company\_name);

System.out.println(" Qualification : " + Qualification);

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

System.out.println(" Teacherid : " + Teacherid);

System.out.println(" Subject : " + Subject);

System.out.println(" Department : " + Department);

}

}

public class Multilevel\_inheritance{

public static void main(String args[]){

int n;

Scanner sc4 = new Scanner(System.in);

System.out.print("Enter number of teachers : ");

n = sc4.nextInt();

Teacher[] obj = new Teacher[n];

for(int i=0;i<n;i++)

{

obj[i] = new Teacher();

obj[i].persn();

obj[i].empl();

obj[i].teacher();

}

for(int i=0;i<n;i++)

{

System.out.println("\nDetails of Employee No : " + (i+1));

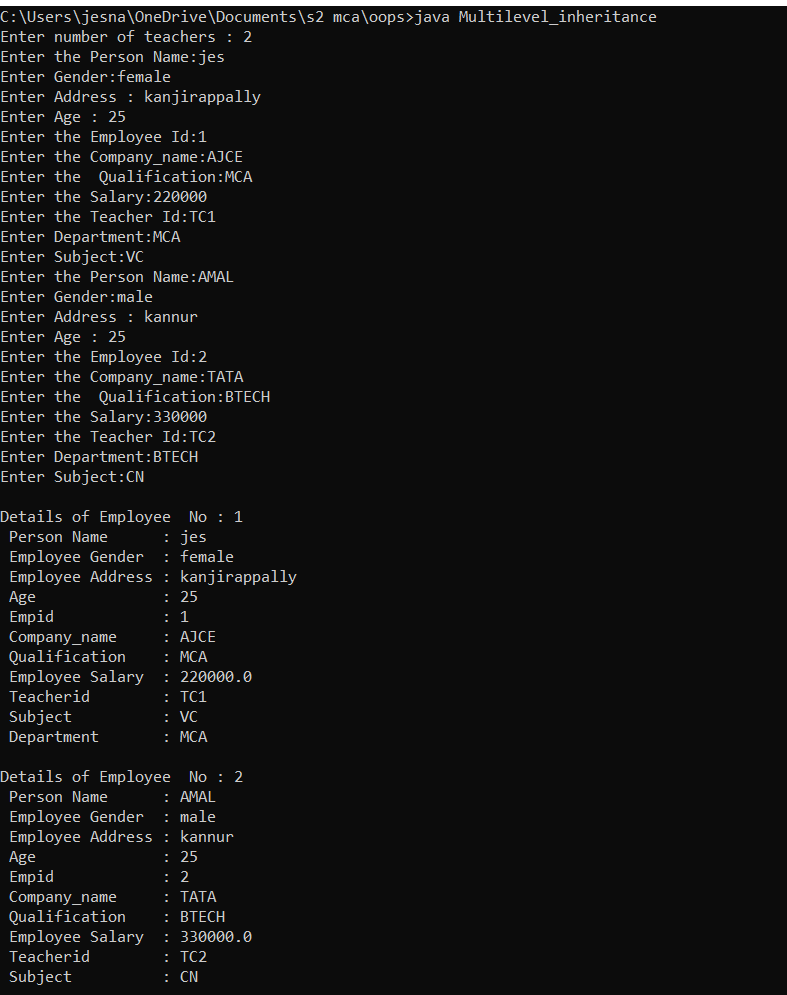
obj[i].Display();

}

}

}

**OUTPUT**

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