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**Roll No:51**

**Batch:B**

**Date:22/04/22**

**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 Person( String Name,String Gender,String Address ,int Age)

{

this.Name= Name;

this.Gender= Gender;

this.Address = Address;

this.Age = Age;

}

}

class Employee extends Person

{

String Empid, Company\_name,Qualification;

float Salary;

public Employee(String Name,String Gender,String Address ,int Age,String Empid,String Cname,String Qualification,float Salary)

{

super(Name,Gender,Address,Age);

this.Empid= Empid;

this.Company\_name= Cname;

this.Qualification = Qualification;

this.Salary= Salary;

}

}

class Teacher extends Employee

{

String Teacherid,Subject,Department;

public Teacher(String Name,String Gender,String Address ,int Age,String Empid,String Cname,String Qualification,float Salary,String Teacherid,String Subject,String Department)

{

super(Name,Gender,Address,Age,Empid,Cname,Qualification,Salary);

this.Teacherid= Teacherid;

this.Subject= Subject;

this.Department = Department;

}

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 CO33

{

public static void main(String args[])

{

int n,Age;

String Name, Gender, Address,Empid, Company\_name,Qualification, Teacherid,Subject,Department;

float Salary;

Scanner s = new Scanner(System.in);

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

n = s.nextInt();

Teacher[] obj = new Teacher[n];

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

{

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();

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

Empid = s.next();

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

Company\_name= s.next();

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

Qualification = s.next();

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

Salary= s.nextFloat();

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

Teacherid = s.next();

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

Department= s.next();

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

Subject = s.next();

obj[i] = new

Teacher(Name,Gender,Address,Age,Empid,Company\_name,Qualification,Salary,Teacherid,Subject,Department);

}

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

{

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

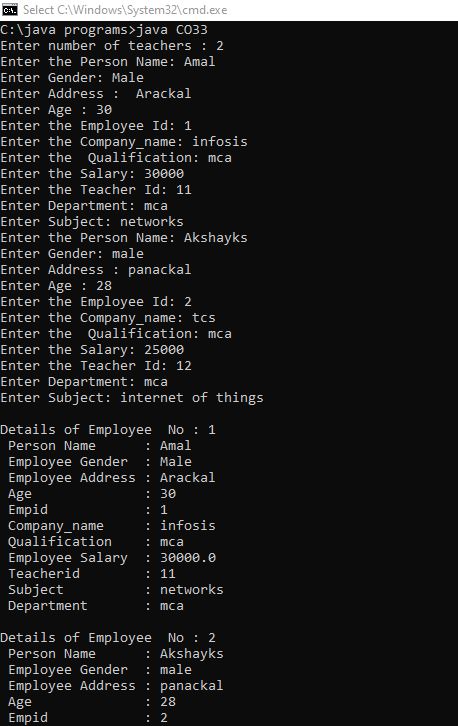
obj[i].Display();

}

}

}

**OUTPUT**

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