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**Batch: MCA B**

**Date:18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 11**

**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;

String Gender;

String Address;

String Age;

public Person(String Name,String Gender,String Address,String Age)

{

this.Name=Name;

this.Gender=Gender;

this.Address=Address;

this.Age=Age;

}

}

class Employee extends Person

{

String Empid;

String Company\_Name;

String Qualification;

String Salary;

public Employee(String Name,String Gender,String Address,String Age ,String Empid,String Company\_Name, String Qualification,String Salary)

{

super(Name,Gender,Address,Age);

this.Empid= Empid;

this.Company\_Name=Company\_Name;

this.Qualification=Qualification;

this.Salary=Salary;

}

}

class Teacher extends Employee

{

String Teacherid;

String Department;

String Subject;

public Teacher(String Name,String Gender,String Address,String Age,String Empid,String Company\_Name,String Qualification,String Salary,String Teacherid, String Department,String Subject)

{

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

this.Teacherid=Teacherid;

this.Department=Department;

this.Subject=Subject;

}

public void read()

{ Scanner in =new Scanner(System.in);

System.out.println("enter the Name=");

Name=in.nextLine();

System.out.println("enter the Gender=");

Gender=in.nextLine();

System.out.println("enter the Address=");

Address=in.nextLine();

System.out.println("enter the Age=");

Age=in.nextLine();

System.out.println("enter the Employ id=");

Empid=in.nextLine();

System.out.println("enter the Company Name=");

Company\_Name=in.nextLine();

System.out.println("enter the Qualification=");

Qualification=in.nextLine();

System.out.println("enter the Salary=");

Salary=in.nextLine();

System.out.println("enter the Teacher id=");

Teacherid=in.nextLine();

System.out.println("enter the Department=");

Department=in.nextLine();

System.out.println("Enter the Subject=");

Subject=in.nextLine();

}

public void display()

{ System.out.println("\_\_\_\_\_\_Employee Details\_\_\_\_\_\_\_\_\_\_");

System.out.println("Name="+ Name);

System.out.println("Gender=" + Gender);

System.out.println("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("Salary=" + Salary);

System.out.println("Teacher id=" + Teacherid);

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

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

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

}

}

public class Inheritance

{

public static void main(String Args[])

{ int i,n;

Scanner in =new Scanner(System.in);

System.out.println("Enter the Number of employee=");

n=in.nextInt();

Teacher T[] = new Teacher[n];

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

{

T[i]=new Teacher("Name","Gender","Address","Age","Empid","Name","Qualification","Salary","Teacherid","Department","Subject");

T[i].read();

}

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

{

T[i].display();

}

}

}

**Output Screenshot**

