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**Batch:MCA-B**

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**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 Employee {

String Empid;

String Name;

String Salary;

String Address;

public Employee(String Empid, String Name, String Salary, String Address) {

this.Empid = Empid;

this.Name = Name;

this.Salary = Salary;

this.Address = Address;

}

}

class Teacher extends Employee {

String Department;

String Subject;

public Teacher(String Empid, String Name, String Salary, String Address, String Department, String Subject) {

super(Empid, Name, Salary, Address);

this.Department = Department;

this.Subject = Subject;

}

public void read() {

Scanner in = new Scanner(System.in);

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

Empid = in.nextLine();

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

Name = in.nextLine();

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

Salary = in.nextLine();

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

Address = 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("Empid=" + Empid);

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

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

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

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

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

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

}

}

public class CO32 {

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("Empid", "Name", "Salary", "Address", "Department", "Subject");

T[i].read();

}

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

T[i].display();

}

}

}

**Output Screenshot**



