**Name: Merin Joseph**

**Roll No:20**

**Batch: MCA B**

**Date:18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 10**

**Aim**

Create a class ‘Employee’ with data members Empid, Name, Salary, Address and constructors to initialize the data members. Create another class ‘Teacher’ that inherit the properties of class employee and contain its own data members department, Subjects taught and constructors to initialize these data members and also include display function to display all 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 Inherit

{

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**

