**Name: Vishnu Mohan**

**Roll No:51**

**Batch:B**

**Date:22/04/22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 11**

**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;

float Salary;

String Address;

public Employee(String empid,String name,float salary,String address)

{

this.Empid = empid;

this.Name = name;

this.Salary = salary;

this.Address = address;

}

}

class Teacher extends Employee

{

String Department;

String SubjectsTaken;

public Teacher(String empid,String name,float salary,String address,String department,String subject)

{

super(empid,name,salary,address);

this.Department = department;

this.SubjectsTaken = subject;

}

public void display()

{

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

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

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

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

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

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

}

}

public class CO32

{

public static void main(String args[])

{

int n;

String empid,name,address,department,subject;

float salary;

Scanner s = new Scanner(System.in);

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

n = s.nextInt();

Teacher obj[] = new Teacher[n];

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

{

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

empid = s.next();

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

name = s.next();

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

salary = s.nextFloat();

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

address = s.next();

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

department= s.next();

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

subject = s.next();

obj[i] = new Teacher(empid,name,salary,address,department,subject);

}

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

{

System.out.println("\*\*\*\*\*\*\* Details of Teacher " + (i+1) + "\*\*\*\*\*\*\*\*");

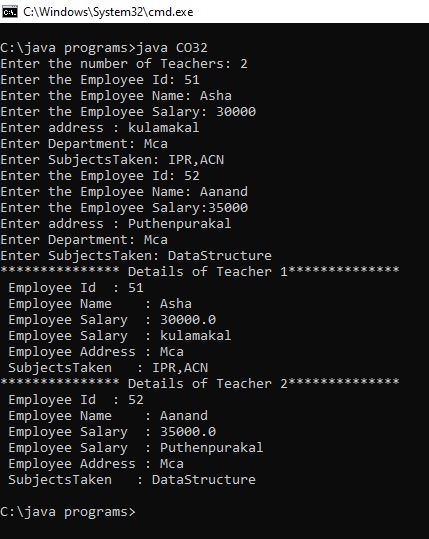
obj[i].display();

}

}

}

**OUTPUT**

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