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**Roll No:6**

**Batch:B**

**Date:17/04/22**

**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 SubjectsTaught;

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

        super(empid,name,salary,address);

        this.Department = department;

        this.SubjectsTaught = 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(" SubjectsTaught   : " +  SubjectsTaught);

    }

}

public class Main1{

    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 SubjectsTaught:");

        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) + ".............");

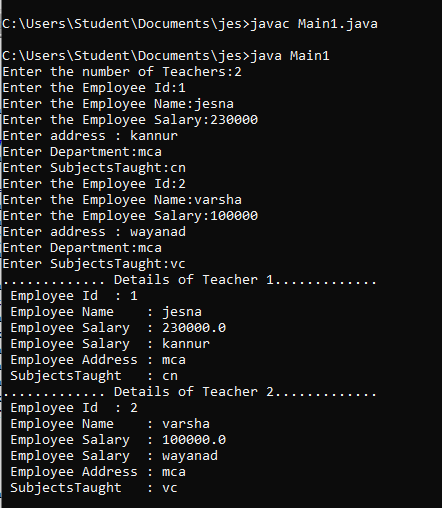
            obj[i].display();

        }

    }

}

**OUTPUT**

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