**Name: VISHNU SADASIVAN**

**Roll No:52**

**Batch:Mca-B**

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**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 is play all the data members. Use array of objects to display details of N teachers.

**Program:**

import java.util.\*;

class Employees

{

int Empid;

String Name;

int Salary;

String Address;

Employees(int empid,String name,int salary,String address)

{

Empid = empid;

Name = name;

Salary = salary;

Address = address;

}

}

class Teacher extends Employees

{

String Department;

String Subject;

Teacher(int empid,String name,int salary,String address,String department,String subject)

{

super(empid,name,salary,address);

Department=department;

Subject=subject;

}

void display(String pos)

{

System.out.println("\*\*\*\*\*\*\*EMPLOYEE INFORMATION\*\*\*\*\*\*\*");

System.out.println(pos+" EMPLOYEE Id="+Empid);

System.out.println(pos+" EMPLOYEE NAME="+Name);

System.out.println(pos+" EMPLOYEE SALARY="+Salary);

System.out.println(pos+" EMPLOYEE ADDRESS="+Address);

System.out.println(pos+" EMPLOYEE DEPARTMENT="+Department);

System.out.println(pos+" EMPLOYEE SUBJECT="+Subject);

}

}

public class Inheritance

{

public static void main(String args[])

{

int n,i;

Scanner sc = new Scanner(System.in);

System.out.println("enter the number of values to be inserted");

n=sc.nextInt();

Teacher[] t= new Teacher[n];

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

{

int empid;

String name;

int salary;

String address;

String department;

String subject;

System.out.println("enter the id of the "+(i+1)+"th teacher");

empid=sc.nextInt();

System.out.println("enter the name of the "+(i+1)+"th teacher");

name=sc.next();

System.out.println("enter the salary of the "+(i+1)+"th teacher");

salary=sc.nextInt();

System.out.println("enter the address of the "+(i+1)+"th teacher");

address=sc.next();

System.out.println("enter the department of the "+(i+1)+"th teacher");

department=sc.next();

System.out.println("enter the subject of the "+(i+1)+"th teacher");

subject=sc.next();

System.out.println("\n");

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

}

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

{

String txt = (i==0)? (i+1) + "ST"

:((i==1)?(i+1) + "ND" : ((i==2)?(i+1) + "RD" : (i+1) + "TH"));

System.out.println("\n");

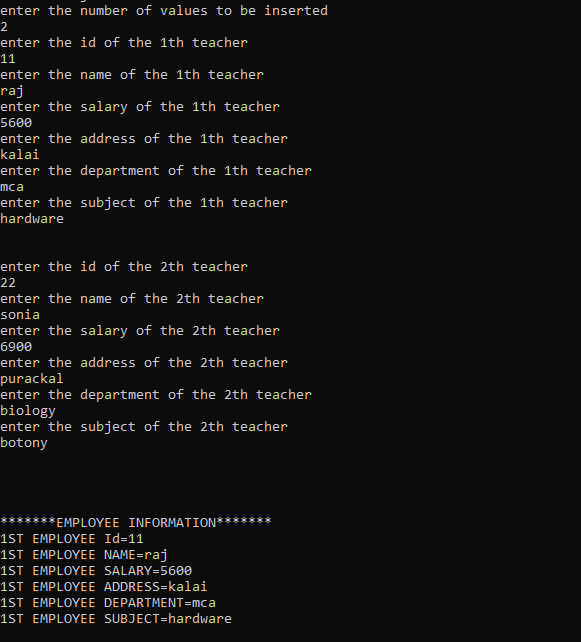
t[i].display(txt);

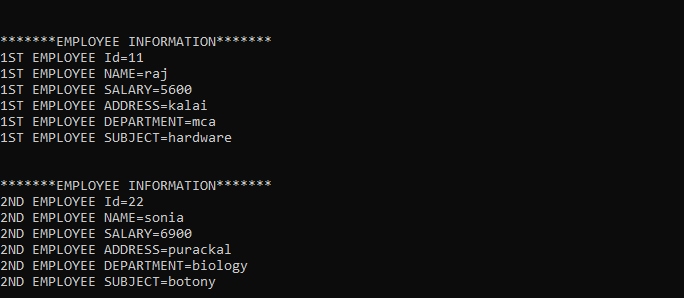
}

}

}

**OUTPUT:**

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