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**Roll No: 15**

**Batch: S2 MCA**

**Date: 18/05/2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 16**

**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**

class Employee{

int empid;

String name;

double salary;

String address;

Employee(int id,String nm,double sal,String add){

empid=id;

name=nm;

salary=sal;

address=add;

}

}

class Teacher extends Employee{

String department;

String subject1;

String subject2;

Teacher(int id,String nm,double sal,String add,String dept,String sub1,String sub2){

super(id,nm,sal,add);

department=dept;

subject1=sub1;

subject2=sub2;

}

void display(){

System.out.println("Employee id: "+ empid);

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

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

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

System.out.println("Teacher department: "+ department);

System.out.println("Subject taught: "+ subject1);

System.out.println("Subject taught: "+ subject2);

}

}

public class College{

public static void main(String args[]){

Teacher obj[]=new Teacher[2];

obj[0]=new Teacher(101,"Suresh",15000.0,"Blogan Valley","Computer Science","Datastructures","DBMS");

obj[0].display();

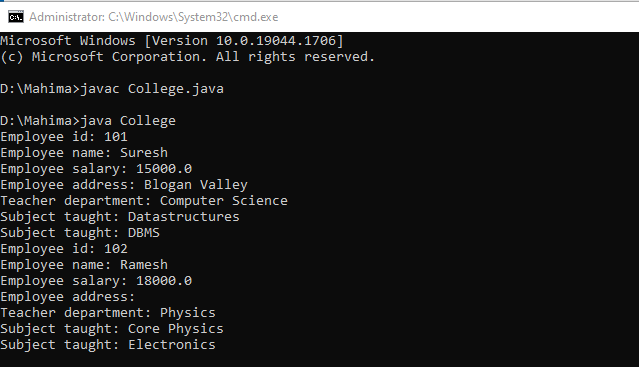
obj[1]=new Teacher(102,"Ramesh",18000.0,"","Physics","Core Physics","Electronics");

obj[1].display();

}

}

**Output Screenshot**

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