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**Roll No:52**

**Batch:B**

**Date:12-04-22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 12**

**Aim:**

3. Create a class ‘Person’ with data members Name, Gender, Address, Age and a constructor to initialize the data members and another class ‘Employee’ that inherits the properties of class Person and also contains its own data members like Empid, Company\_name, Qualification, Salary and its own constructor. Create another class ‘Teacher’ that inherits the properties of class Employee and contains its own data members like Subject, Department, Teacherid and also contain constructors and methods to display the data members. Use array of objects to display details of N teachers.

**Program:**

class Job{

public static void main(String[] args) {

Teacher teacObj[] = new Teacher[2];

teacObj[0] = new Teacher("Rakesh sharma","male","kankalil h.o,mumbai",32,111,"metrocity","phd",24000,"CA","CS",34);

teacObj[1] = new Teacher("","gender 2","addr 2",46,1235,"cmp name 2","mphil",13000,"CN","CSS",35);

teacObj[0].display();

teacObj[1].display();

}

}

class Person {

String name;

String gender;

String address;

int age;

Person(String name,String gender,String addr,int age){

this.name = name;

this.gender = gender;

this.address = addr;

this.age = age;

}

protected void display(){

System.out.println("Name : " + this.name);

System.out.println("Gender : " + this.gender);

System.out.println("Addrese : " + this.address);

System.out.println("Age : " + this.age);

}

}

class Employee extends Person{

int empId;

String companyName;

String qualification;

int salary;

Employee(String name,String gen,String add,int age,int id,String comp,String qual,int salary){

super(name,gen,add,age);

this.empId = id;

this.companyName =comp;

this.qualification =qual;

this.salary=salary;

}

protected void display(){

super.display();

System.out.println("ID : " + this.empId);

System.out.println("Company name : " + this.companyName);

System.out.println("Qualification: " + this.qualification);

System.out.println("Salary : " + this.salary);

}

}

class Teacher extends Employee{

String subject;

String dept;

int tchrid;

Teacher(String name,String gen,String add,int age,int id,String comp,String qual,int salary,String subj,String dept,int tchid){

super(name,gen,add,age,id,comp,qual,salary);

this.dept =dept;

this.tchrid =tchid;

this.subject =subj;

}

public void display(){

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

super.display();

System.out.println("Subject : " + this.subject);

System.out.println("Department : " + this.dept);

System.out.println("Teacher ID : " + this.tchrid);

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

}

}

**OUTPUT:**

