OBJECT ORIENTED PROGRAMMING LAB

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**Roll No:27**

**Batch:B**

**Date:17-05-22**

**Experiment No.: 12**

**Aim**

To demonstrate the use of multi-level inheritance along with method overloading

**Procedure**

import java.io.\*;

import java.lang.\*;

class Person

{

String empname;

String gender,address;

int age;

Person(String empname,String gender,String address,int age)

{

this.empname=empname;

this.gender=gender;

this.address=address;

this.age=age;

}

}

class Employee extends Person

{

int empid;

String company\_name;

String qualification;

int salary;

Employee(String empname,String gender,String address,int age,int empid,String company\_name,String qualification,int salary)

{

super(empname,gender,address,age);

this.empid=empid;

this.company\_name=company\_name;

this.qualification=qualification;

this.salary=salary;

}

}

class Teacher extends Employee

{

int teacherid;

String dept,subject;

Teacher(String empname,String gender,String address,int age,int empid,String company\_name,String qualification,int salary,int teacherid,String dept,String subject)

{

super(empname,gender,address,empid,age,company\_name,qualification,salary);

this.teacherid=teacherid;

this.dept=dept;

this.subject=subject;

}

void display()

{

System.out.println("\n EMPLOYEE ID : "+empid);

System.out.println("\n EMPLOYEE NAME : "+empname);

System.out.println("\n AGE OF THE EMPLOYEE : "+age);

System.out.println("\n GENDER : "+gender);

System.out.println("\n ADDRESS : "+address);

System.out.println("\n QUALIFICATION : "+qualification);

System.out.println("\n COMPANY NAME : "+company\_name);

System.out.println("\n TEACHER ID : "+teacherid);

System.out.println("\n DEPARTMENT : "+dept);

System.out.println("\n SUBJECT TAKEN : "+subject);

System.out.println("\n SALARY : "+salary);

}

}

public class InheritanceOfThree

{

public static void main(String[] args)

{

int i,n;

int age,salary,empid;

int teacherid;

String empname,dept,company\_name,subject,address,qualification,gender;

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

try

{

System.out.println("\n How much records you need to insert ? ");

n=Integer.parseInt(br.readLine());

Teacher ob1[]=new Teacher[n];

i=0;

while(i<n)

{

System.out.println("\n Enter details of teacher "+(i+1)+":\n");

System.out.println("\n Enter employee id : ");

empid=Integer.parseInt(br.readLine());

System.out.println("\n Enter teacher id: ");

teacherid=Integer.parseInt(br.readLine());

System.out.println("\n Enter name of teacher : ");

empname=br.readLine();

System.out.println("\n Enter age : ");

age=Integer.parseInt(br.readLine());

System.out.println("\n Enter gender : ");

gender=br.readLine();

System.out.println("\n Enter qualification: ");

qualification=br.readLine();

System.out.println("\n Enter subject name : ");

subject=br.readLine();

System.out.println("\n Enter the company name : ");

company\_name=br.readLine();

System.out.println("\n Enter the residential address: ");

address=br.readLine();

System.out.println("\n Enter the name of the department: ");

dept=br.readLine();

System.out.println("\n Enter salary: ");

salary=Integer.parseInt(br.readLine());

ob1[i]=new Teacher(empname,gender,address,empid,age,company\_name,qualification,salary,teacherid,dept,subject);

i++;

}

System.out.println("\n TEACHER'S INFORMATION\n");

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

{

ob1[i].display();

}

}

catch(Exception e)

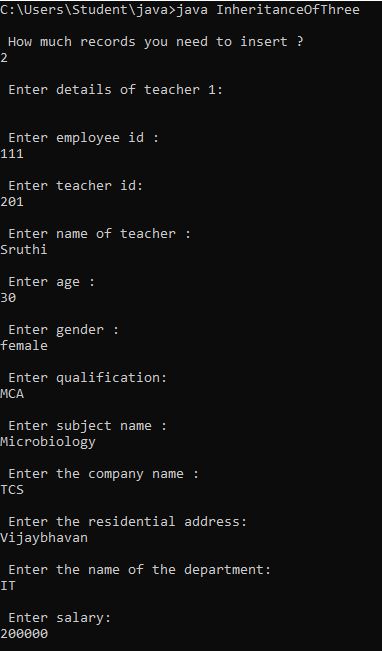
{

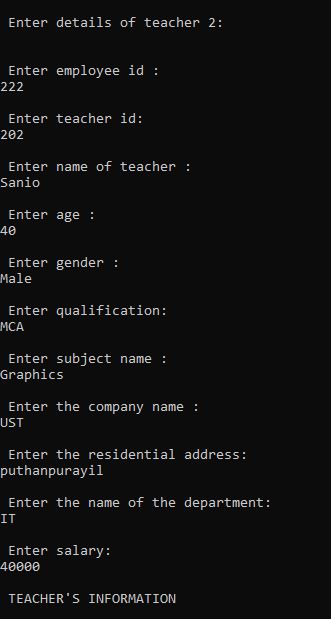
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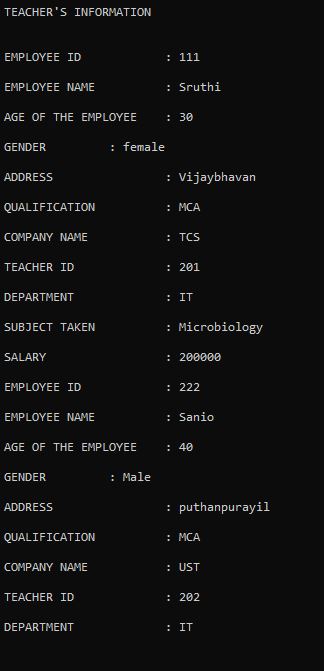
}

}

**Output Screenshot**

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