

Co3-3

```
import java.util.*;
```

```
class Person
```

```
{
```

```
    String Name,Gender,Address;
```

```
    int Age;
```

```
    Person(String Name,String Gender, String  
Address,int Age)
```

```
{
```

```
    this.Name = Name;
```

```
    this.Gender = Gender;
```

```
    this.Address = Address;
```

```
    this.Age = Age;
```

```
}
```

```
}
```

```
class Employee extends Person
```

```
{
```

```
    String Empid,CompanyName,Qualification;
```

```
    Double Salary;
```

```
    Employee(String Empid,String  
CompanyName, String Qualification,Double  
salary,String Name,String Gender, String  
Address,int Age)
```

```
{
```

```
super(Name,Gender,Address,Age);  
        this.Empid = Empid;
```

```
this.CompanyName=CompanyName;
```

```
this.Qualification=Qualification;  
    }
```

```
}
```

```
class Teacher extends Employee
```

```
{  
    String Subject,Department,TeacherId;  
    Teacher(String Subject, String  
Department, String TeacherId,String  
Empid,String CompanyName, String  
Qualification,Double salary,String  
Name,String Gender, String Address,int Age)  
    {
```

```
super(Empid,CompanyName,Qualification,sa  
lary,Name,Gender,Address,Age);  
        this.Subject=Subject;
```

```
this.Department=Department;

this.TeacherId=TeacherId;
    }
    void display()
    {
        System.out.println("\t\t\tName of
Employee : "+ Name);
        System.out.println("\t\t\tGender : "+
Gender);

System.out.println("\t\t\tAddress : "+
Address);

System.out.println("\t\t\tAge : "+ Age);

System.out.println("\t\t\tEmployee id : "+
Empid);

System.out.println("\t\t\tCompany Name : "+
CompanyName);

System.out.println("\t\t\tQualification : "+
Qualification);

System.out.println("\t\t\tEmployee Salary : "+
Salary);
```

```
System.out.println("\t\t\tTeacher Id : "+
TeacherId);
```

```
System.out.println("\t\t\tDepartment : "+
Department);
```

```
System.out.println("\t\t\tSubject Taught : "+
Subject);
```

```
System.out.println("\t\t_____
_____\\n");
```

```
}
```

```
}
```

```
public class MultilInheritance
```

```
{
```

```
    static Teacher[] insertDetails(Scanner
read)
```

```
{
```

```
        int limit,age;
```

```
        String Eid,name,
```

```
Add,Dept,sub,cname,gender,ql,Tid;
```

```
        Double salary;
```

```
        System.out.print("Enter the no of
Teachers :");
```

```
        limit=read.nextInt();
```

```
        read.nextLine();
```

```
        Teacher[] t = new Teacher[limit];
```

```
        for(int i=0; i<limit; i++)
```

```
{
```

```

}
public class MultilInheritance
{
    static Teacher[] insertDetails(Scanner
read)
    {
        int limit,age;
        String Eid,name,
Add,Dept,sub,cname,gender,ql,Tid;
        Double salary;
        System.out.print("Enter the no of
Teachers :");
        limit=read.nextInt();
        read.nextLine();
        Teacher[] t = new Teacher[limit];
        for(int i=0; i<limit; i++)
        {

System.out.print("\n\n_____
_____
\n\nEnter the Details of Teacher "+
(i+1)+"\n_____
\n\n");

System.out.print("Enter the Name : ");

name = read.nextLine();

System.out.print("\nEnter the Gender : ");

gender = read.nextLine();

```

```
System.out.print("\nEnter the Address : ");
```

```
Add = read.nextLine();
```

```
System.out.print("\nEnter the Age : ");
```

```
age = read.nextInt();
```

```
read.nextLine();
```

```
System.out.print("\nEnter the Employee Id :  
");
```

```
Eid = read.nextLine();
```

```
System.out.print("\nEnter the Company  
Name : ");
```

```
cname = read.nextLine();
```

```
System.out.print("\nEnter the Qualification :  
");
```

```
ql = read.nextLine();

System.out.print("\nEnter the Salary : ");

salary = read.nextDouble();

read.nextLine();

System.out.print("\nEnter the Department : ");

Dept = read.nextLine();

System.out.print("\nEnter the Subject taught
by the teacher : ");

sub = read.nextLine();

System.out.print("\nEnter the Teacher Id : ");

Tid = read.nextLine();

t[i] = new
Teacher(sub,Dept,Tid,Eid,cname,ql,salary,na
me,gender,Add,age);

}

return t;
}
```

```

static void displayDetails(Teacher[] t)

{

for(int i=0;i<t.length;i++)

{

System.out.println("\n\t\t\tDetails of a
Teacher "+(i+1));

System.out.println("\t\t\t_____
_____\n");

t[i].display();

}

}

public static void main(String args[])

```



```
{  
Scanner read = new Scanner(System.in);  
Teacher[] t=insertDetails(read);  
displayDetails(t);  
}  
}
```

Output:-

Enter the no of Teachers :2

Enter the Details of Teacher 1

Enter the Name : Ann

Enter the Gender : female

Enter the Address : kochi

Enter the Age : 25

Enter the Employee Id : 100

Enter the Company Name : wipro

Enter the Qualification : mca

Enter the Salary : 35000

Enter the Department :IT

Enter the Subject taught by the teacher : IT

Enter the Teacher Id : 200

Enter the Details of Teacher 2

Enter the Name : manu
Enter the Gender : male
Enter the Address : banglore
Enter the Age : 30
Enter the Employee Id : 200
Enter the Company Name : tcs
Enter the Qualification : msc
Enter the Salary : 40000
Enter the Department : cs
Enter the Subject taught by the teacher : cs
Enter the Teacher Id :201

Details of a Teacher 1

Name of Employee :Ann
Gender :female
Address :kochi
Age :25
Employee id :100
Company Name :wipro
Qualification :mca
Employee Salary :35000
Teacher Id :200
Department : IT
Subject Taught :IT

Details of a Teacher 2

Name of Employee :manu

Gender :male

Address :banglore

Age :30

Employee id :200

Company Name :tcs

Qualification :msc

Employee Salary :40000

Teacher Id :201

Department :cs

Subject Taught :cs