Co3-2

```java
import java.util.Scanner;
class Employee
{
   int empId;
   String name;
   double salary;
   String address;
Employee()
 {
  Scanner sc=new Scanner(System.in);
  System.out.println("Enter the empId :");
  empId=sc.nextInt();
  System.out.println("Enter the name :");
  name=sc.next();
  System.out.println("Enter the salary :");
  salary=sc.nextInt();
  System.out.println("Enter the address :");
  address=sc.next();
 }

}
```

```java
class Teacher extends Employee
{
  String department;
  String subject;
  Teacher()
    {
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter the
department :");
      department=sc.next();
      System.out.println("Enter the subject
taught :");
      subject=sc.next();
      System.out.println();
    }
void display()
  {
    System.out.println("empId:"+empId);
    System.out.println("name:"+name);
    System.out.println("salary:"+salary);
    System.out.println("address:"+address);

System.out.println("department:"+departmen
t);
    System.out.println("subject:"+subject);
System.out.println();
    }

}
```

```java
class Inheritance
  {
    public static void main(String ar[])
      {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter no of
teachers :");
        int n=sc.nextInt();
        Teacher[] teacher=new Teacher[n];
        for(int i=0;i<n;i++)
        teacher[i]=new Teacher();
        System.out.println("Details of
teachers");
        for(int i=0;i<n;i++)
        {
          System.out.println();
          teacher[i].display();
        }

      }
  }
```

Output:-

Enter no of teachers :
2
Enter the empId :
1
Enter the name :
Ann
Enter the salary :
10000
Enter the address :
Kochi
Enter the department :
Maths
Enter the subject taught :
Maths

Enter the empId :
2
Enter the name :
Anu
Enter the salary :
15000
Enter the address :
Kannur
Enter the department :
Cs
Enter the subject taught :
Cs

Details of teachers

empId:1
name:Ann
salary:10000
address:kochi
department:Maths
subject:Maths

empId:2
name:Anu
salary:15000
address:Kannur
department:Cs
subject:Cs