

Case Study in video

employee

ssn | BD | gender | Firstname | Lastname | Dnum | super ID

Department

Dnum | Dname | SSn-FK

Department-Location

Dnum | Location

Project

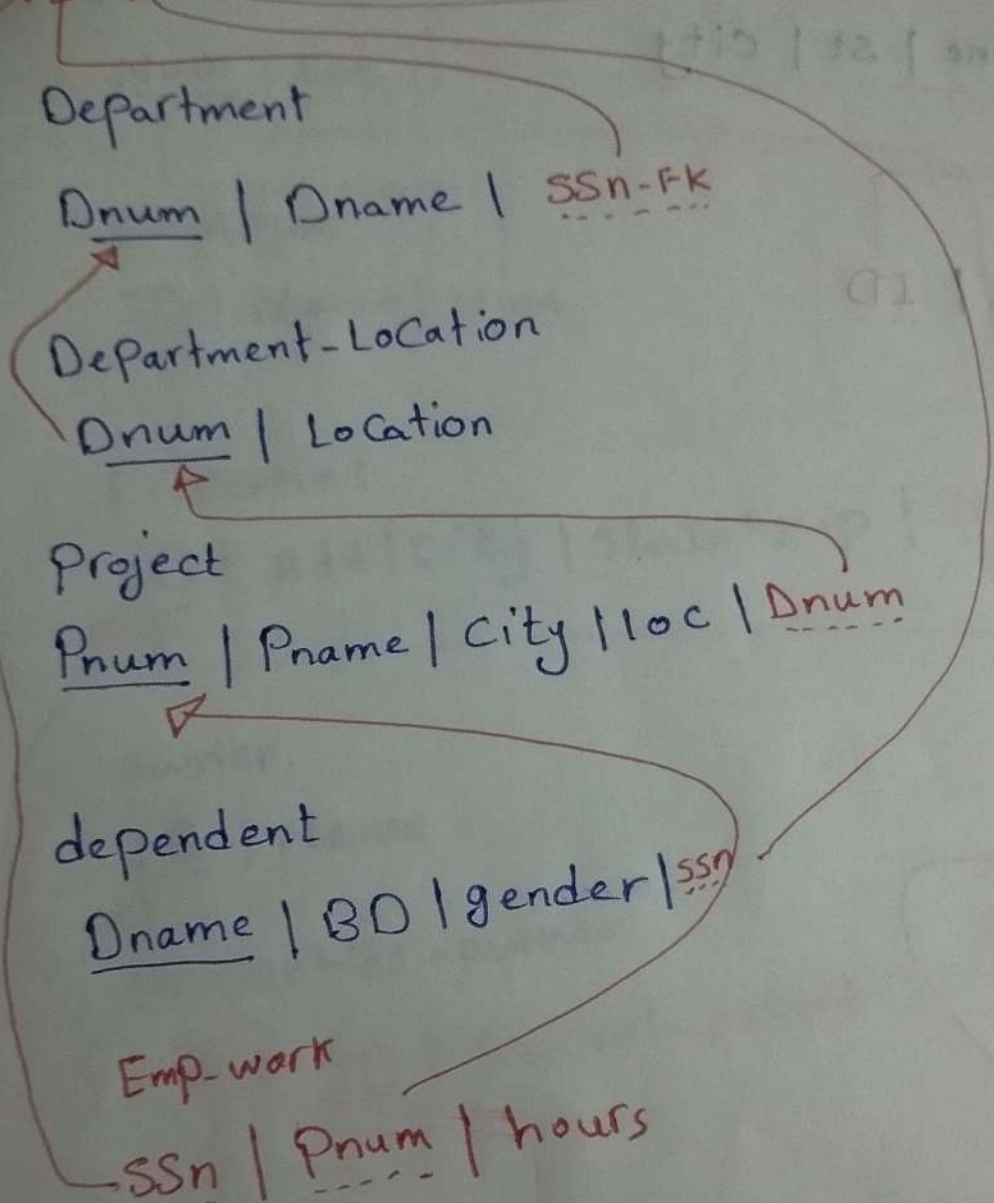
Pnum | Pname | City | Loc | Dnum

dependent

Dname | BD | gender | ssn

Emp-work

SSn | Pnum | hours



Problem ①

Lab Day ② mapping

Musician

ID | Name | Phone | st | city

Album

ID | Date | Title | ID

Instrument

Name | Key

Song

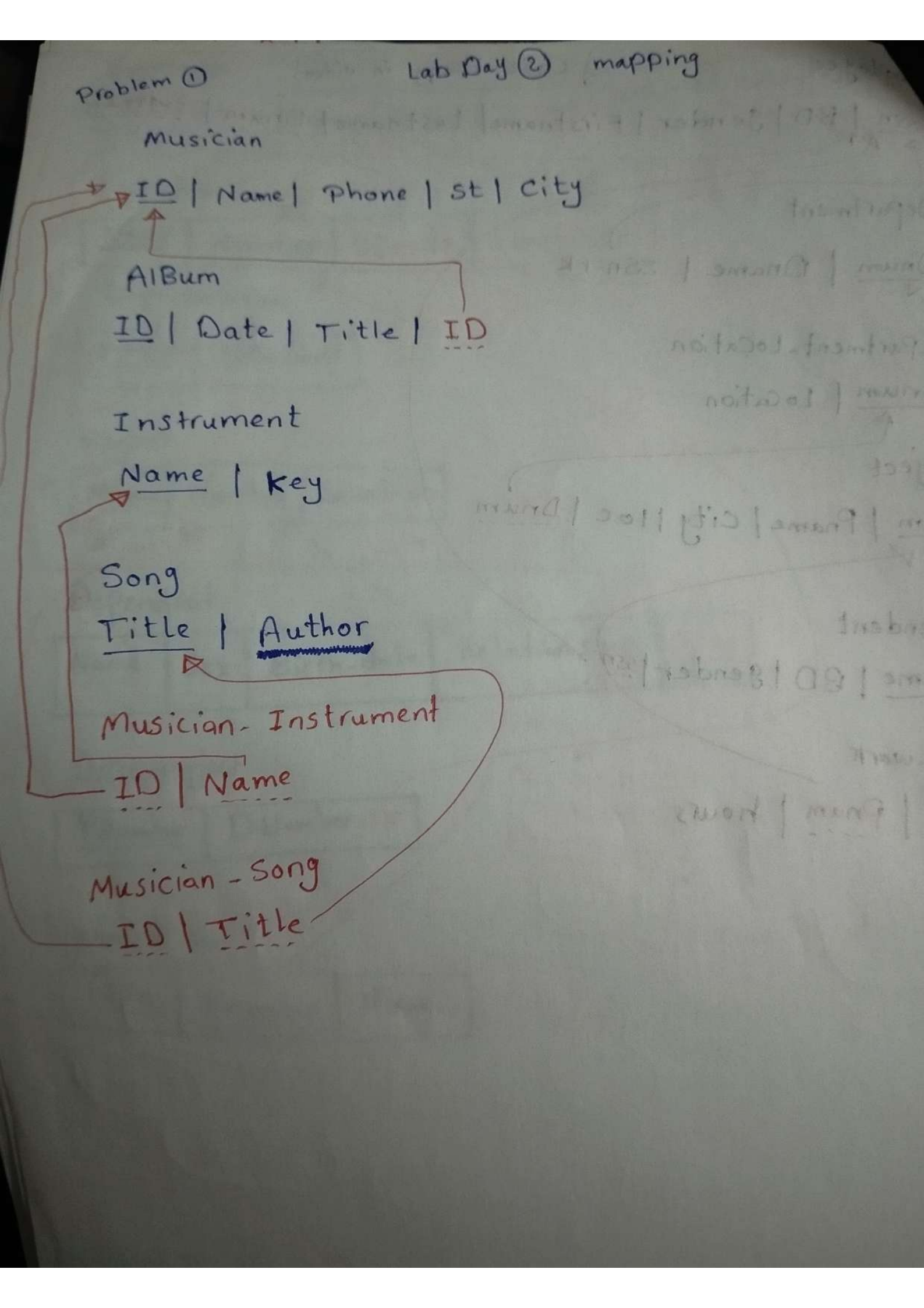
Title | Author

Musician - Instrument

ID | Name

Musician - Song

ID | Title



problem (2)

sales office

Num | Loc | ID

Employee

ID | Name | Num

Properties

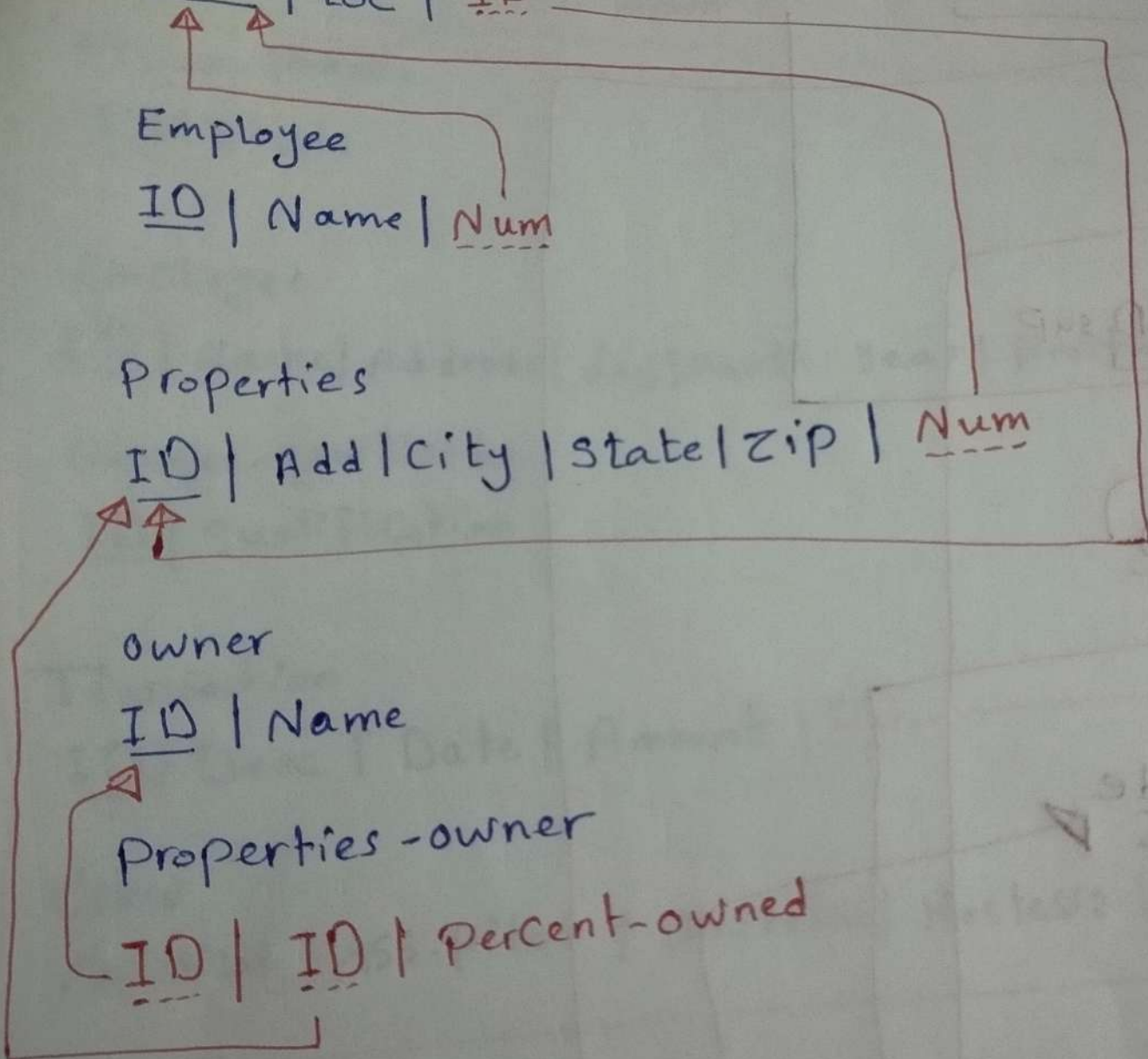
ID | Add | City | State | Zip | Num

owner

ID | Name

Properties-owner

ID | ID | Percent-owned



Courses

Case Study 2

Student

id | age | Fname | Lname | Address | OID

Department

id | Name

Course

Id | Name | Duration | Description

Student Courses

SId | CId | Grade | TId

Topic

Id | Name

Instructor

Id | Name | bonus | address | salary | hour-rate | OID

Course of Instructor

CId | IId

Hiringdate is created in runtime

Problem (4)

airline

ID | Name | Address | Contact Person

airLine - phones

ID | Phone

Employee

ID | Name | Address | day | Month | Year | Position | Gender | ID

Employee - qualification

ID | qualification

Transaction

ID | Desc | Date | Amount | ID

Crew

Maj. pilot | Ass. pilot | Hostess1 | Hostess2 | ID

Aircraft

ID | Capacity | Model | ID

Route

ID | origin | Distance | Distnation | classification

Aircraft-Route

AID | RIID | ArrDateTime | Deptdatetime | #Pass | Price

Problem 3

Patient

ID | Name | BoD | ID | ID

Consultant

ID | Name

Ward

ID | Name | ID sup

Nurse

ID | Name | ID

Drug

Rec Dosage | Code

Drug-Brand

Code | Brand

Patient-consultant

PID | CID

Patient-nurse

PID | NID | ~~date~~ | ~~Time~~ | ~~Dosage~~

Patient-Drug

PID | ^{code}
D | Date | Time | Dosage