

## \* Abstraction Examples:

(1)

### Hospital

- PatientId      - phone      - bill
- name            - address      - admitDate
- age              - bloodgrp      - dischargeDate
- gender          - doctor
- email           - disease

### Doctor

- PatientId
- disease
- name
- doctor
- age
- bloodgrp
- gender

### Bill system

- patientId
- Bill
- name
- admitDate
- dischargeDate

(2)

### Book

- isbn              - price              - publishDate
- title            - pages
- author          - category
- publisher       - stock
- edition        - language

### LibrarySystem

- isbn              - category
- title            - stock
- author
- publisher

### Bookstore System

- isbn              - edition
- title            - publishDate
- author
- price

3

### Employee

- empId
- name
- age
- gender
- email
- phone
- address
- department
- designation
- salary
- exp.
- aadhar
- Acc.No
- medicalHis.

### Payment System

- empId
- name
- phone
- email
- desig.
- salary
- AccNo

### HR system

- empId
- name
- age
- email
- department
- exp.
- phone

4

### Bank Account

- Acc No
- holder Name
- balance
- branch
- IFSC
- address
- mobile
- email
- aadhar
- pan
- Loan
- CibilScore

### ATM System

- AccNo
- balance
- branch
- holderName

### Loan system

- accNo
- holder Name
- pan
- aadhar
- loan
- branch



(5)

### Student

- rollNo
- name
- age
- gender
- address
- email
- mobile
- course
- department
- bloodGrp
- marks
- attendance
- fees
- disability

### Exam System

- rollNo
- name
- course
- department
- marks
- attendance

### Medical Sys.

- rollNo
- name
- age
- gender
- bloodGrp
- disability

(6)

### car

- model
- brand
- year
- price
- colour
- plateNo
- mileage
- fueltype
- owner
- regisraNo
- loanDetails
- EMI
- service
- license

### Showroom

- model
- brand
- price
- colour
- year
- plateNo
- EMI

### RTO system

- regisraNo
- owner
- license
- service

⑦

## Course

- courseId
- cname
- duran
- fees
- syllabus
- faculty
- timing
- credits
- dept
- Assignment

### Student Sys.

- courseId
- cname
- duration
- credits
- dept, faculty

### Fee Sys.

- courseId
- cname
- fees

⑧

## Library

- libraryId
- name
- location
- total books
- staff
- timings
- memb. fees
- login

### Student

- libraryId
- name
- location
- totalBooks
- openingHours

### Admin

- libraryId
- name
- staff
- memb. fees
- login



(9)

## Hotel

- Hname
- location
- rooms
- rating
- rent
- facilities
- managers
- staff
- revenue

### Guest

- name
- loca<sup>n</sup>
- rooms
- rating
- ~~parent~~ rent
- facilities

### management Sys.

- name
- manager
- staff
- revenue.

(10)

## Flight

- FlightNo
- airline
- source
- dest<sup>n</sup>
- departTime
- arriveTime
- pilot
- crew
- capacity
- fare
- Booking
- fuel

### Passenger

- flightNo
- airline
- source
- dest<sup>n</sup>
- departTime
- arriveTime
- fare

### Management

- flightNo
- airline
- pilot
- crew
- capacity
- fuel
- bookings.