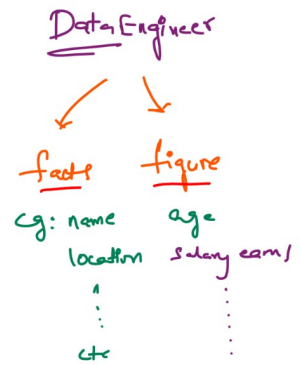
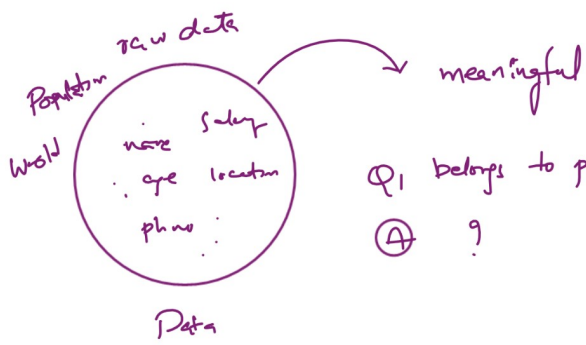


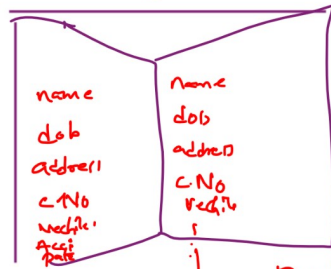
MySQL

Introduction



Flat File Model

ledger of insurance company



Data base

Excel sheet

10K →

Name	DOB	Addr	V.Name	Contact	Accident	Date
Raju	1929	blr	Ambassador	920...	No	—
Salman	1965	Mumbai	BMW	912...	Yes	2006
Salman	1965	Mumbai	BMW	92345..	Yes	2006

Disadvantages

- (1) Data Redundancy
- (2) Data Security

DBMS

Database Management System

Data: data refers to collection of small volumes of facts & figures

Data Base: It refers to collection of large volume of facts & figure

DBMS: Any software tool designed in order to transfer the data & manage the database

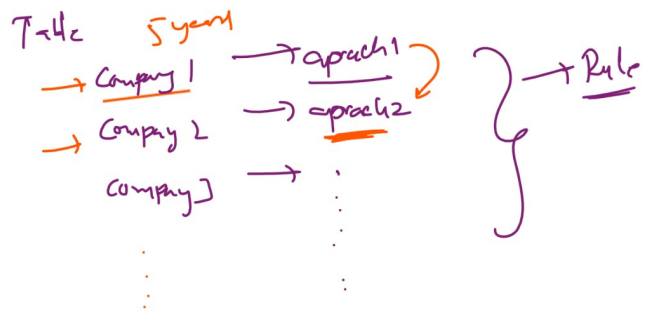
RDBMS (Relational DBMS)

Contact Details			Owner Info				Acc Details		
Name	C1	C2	Name	DOB	Age	UN	Name	Acc	Date
Raju	91--	NULL	Raju	—	—	—	Raju	No	—
Selma	92--	9821	Selma	—	—	—	Selma	Yes	2006
X				✓			X		

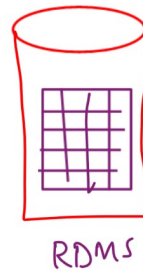
- Data has to be stored in table format only
- Using RDBMS, you can create multiple relationship b/w multiple tables
- RDBMS is a DBMS software which organizes the data using relational data base management system approach

rows						← tuple / record
						cell / field

Oracle	Company
MySQL	Oracle
DB2	MySQL
SQL Server	IBM
	Microsoft



SQL: (Structured Query Language)



→ Basic Operations (DDL)

→ Create Database

Create Table

Drop Table

Drop Database

} Exercise & practice

→ DML

→ Insert, update, delete

→ Alter table

→ Manipulate

→ Constraints

→ Primary key, foreign key, Unique, Not Null

→ Default, Index, Candidate keys

→ Join & Subqueries & aggregations