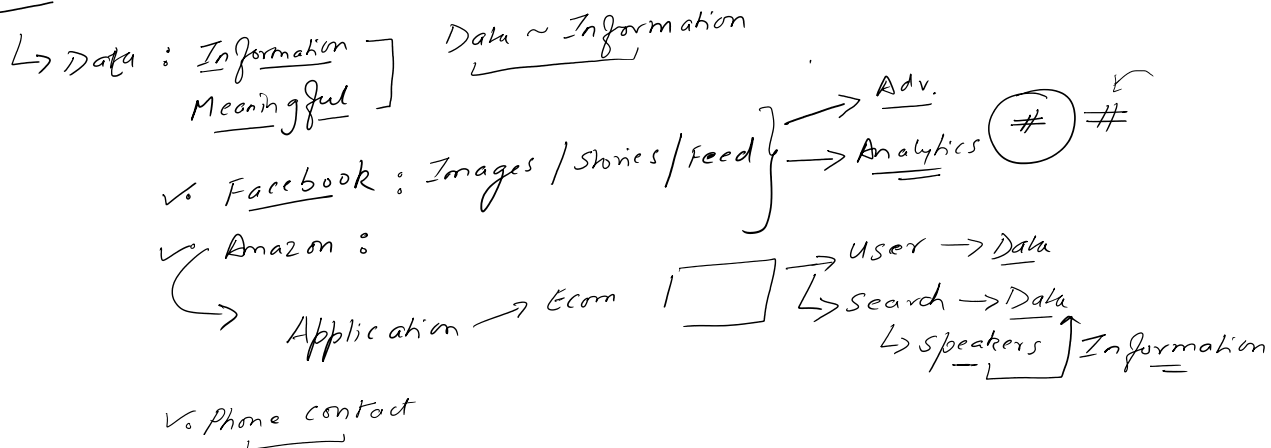


Classroom Discussion Day 1

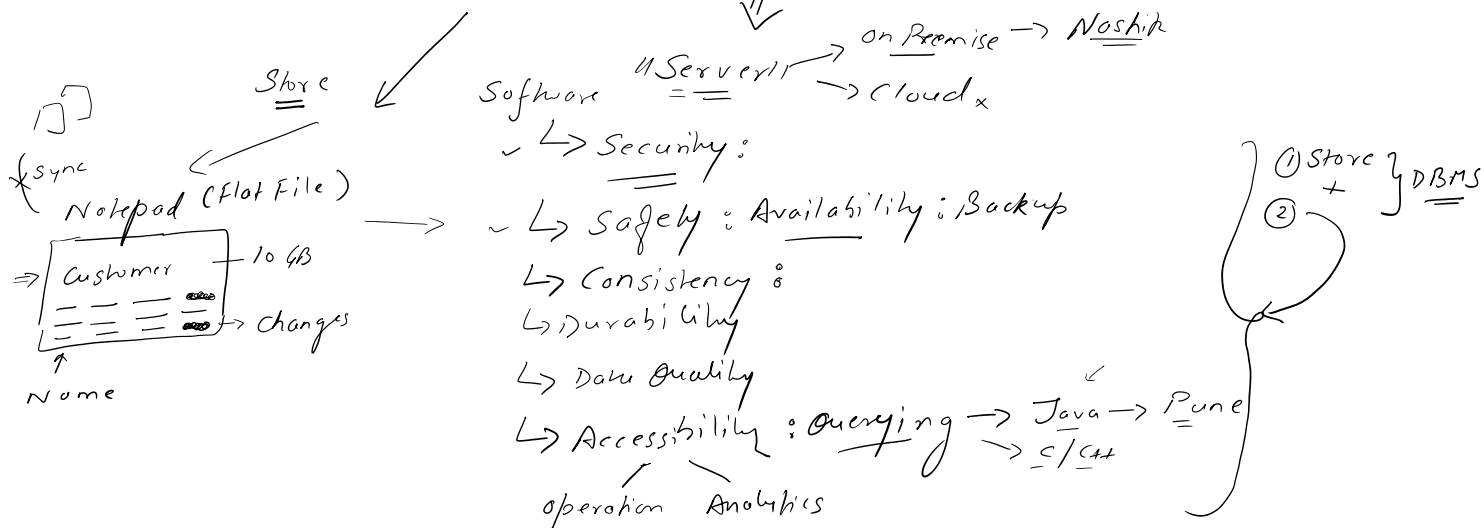
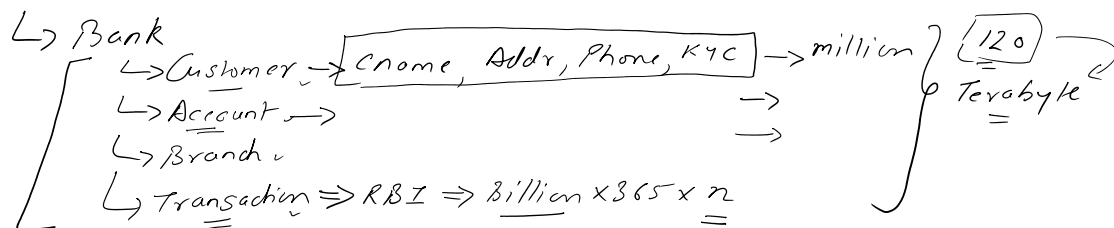
Wednesday, March 16, 2022 7:21 AM

Database ?

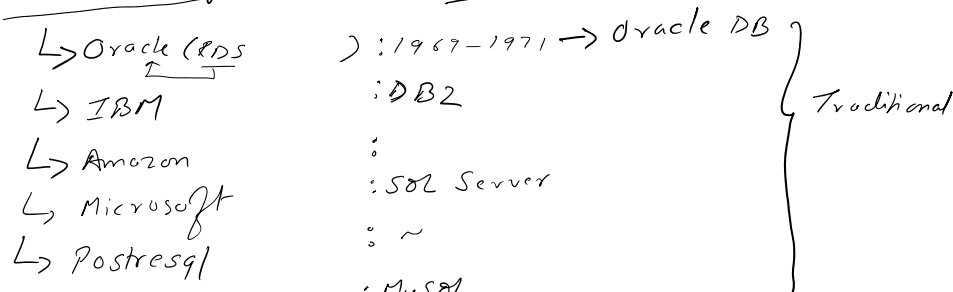


Database

↳ Collection of related data → Phone Book



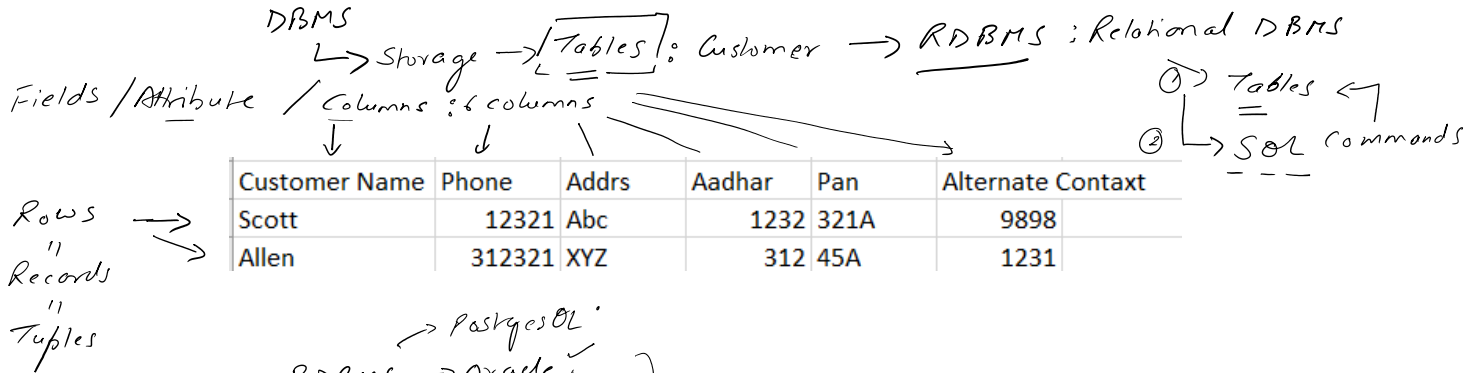
Database Base Mgmt. System (DBMS) ✓



↳ Microsoft
 ↳ PostgreSQL
 ↳ MySQL
 ↳ MongoDB

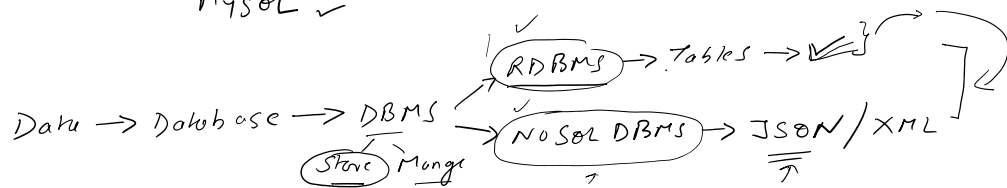
} new

E.F. Codd (1969)



↳ PostgreSQL
 RDBMS → Oracle
 ↳ DB2
 ↳ SQL Server
 ↳ MySQL ✓

Tables + SQL : Customization



Oracle → SQL 2000
 MySQL

↳ E.F. Codd

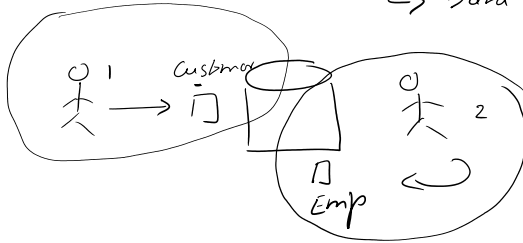
- ↳ Tables
- ↳ Structured Query Language : ANSI
 ↳ Commands
 ↳ Case Sensitive X
 ↳ Space tolerant
 ↳ English vocab.
 ↳

Categories (Interviews)

- ↳ Data Definition Language (DDL)
- ↳ Create
 - ↳ Alter
 - ↳ Drop
 - ↳ Truncate

- ↳ Data Manipulation Language (DML)
- ↳ Insert → Row

↳ Data Manipulation 0 0
 ↳ Insert → Row
 ↳ update
 ↳ Delete → Row
 ↳ Merge



↳ Data Control Language (DCL)
 ↳ Grant
 ↳ Revoke

} Permission

↳ Transaction Control Language (TCL)
 ↳ Commit
 ↳ Rollback

TCL + DML
 ↳

↳ Data Query Language (DQL)
 ↳ Select