

# Database

RDBMS

SQL

DBMS

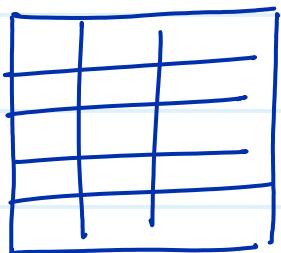
NO SQL

SQL - structure query lang.

Relational DBMS

# Data

- ① structure
- ② semi structure
- ③ unstructure

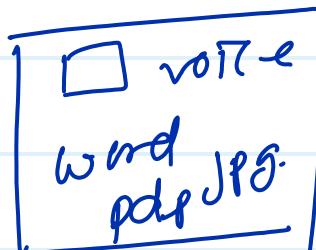


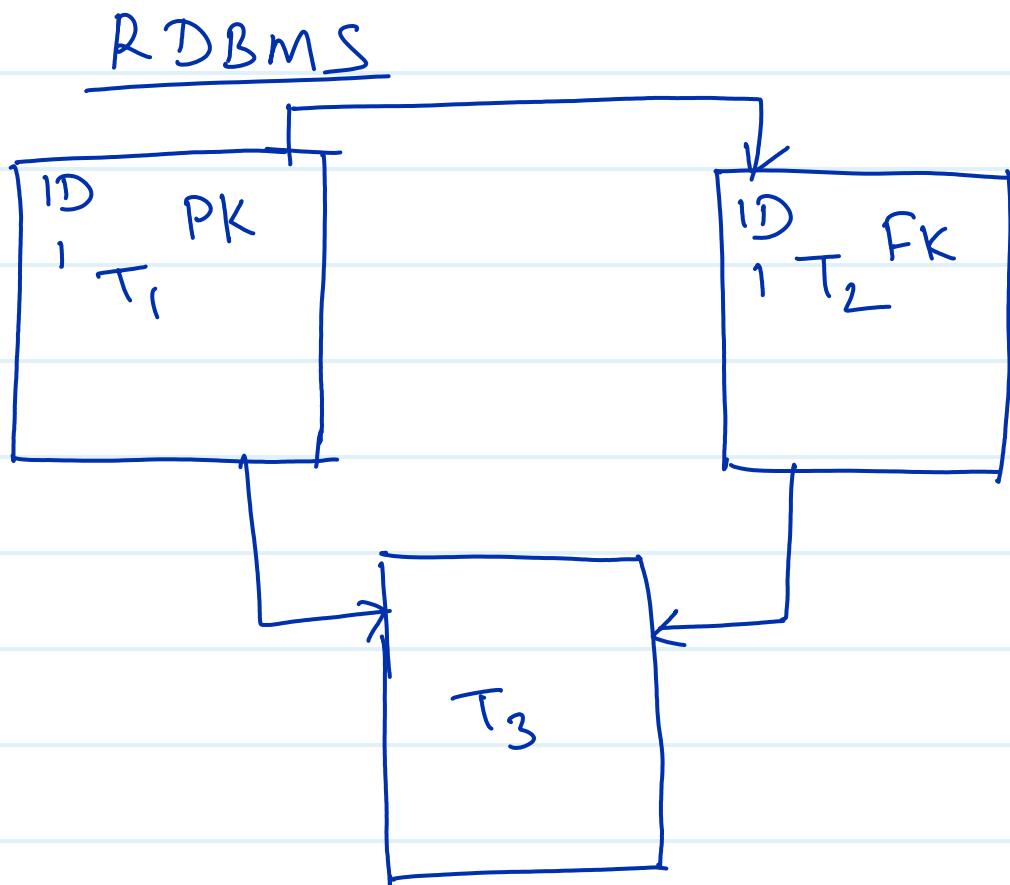
table

{  
  }  
JSON

XML

HTML  
pickle,   
parquet,





SQL

- ✓ MySQL
- SQL Server
- PostgreSQL
- Oracle SQL
- Informix
- Google query

no SQL

- ✓ mongoDB
- Cassandra

Redshift

AWS - services

Database →

Data warehouse →

Data Lake →

Data mart →

cloud →

Database vs cloud

SQL

IBM - Oracle

int | Decimal | varchar | bool | Date | time

Blob

## operators

① Arithmetics -

② Comparison = = < > <= >= <>

③ logical - and / or / not / is / in / between

## Commands

① DDL

② DML

③ DCL

④ TCL

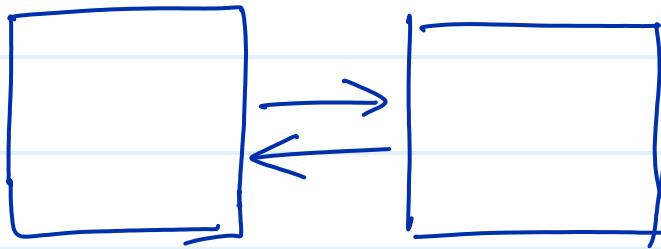
⑤ DQL

\* View

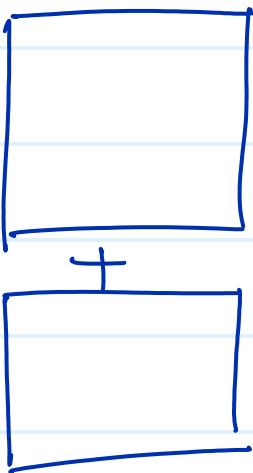
C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>

C <sub>1</sub>	C <sub>2</sub>	C <sub>3</sub>	C <sub>4</sub>	C <sub>5</sub>	C <sub>6</sub>

## \* join



## \* Union



## \* Subquery

"Select \* from table where col  
= ( select \* from table );

## \* case statement

## \* clauses

where / groupby / having / orderby / limit /  
offset

\* function -

Text / Number / Datetime

\* CTE (Common Table expression)