

Database

RDBMS

SQL

DBMS

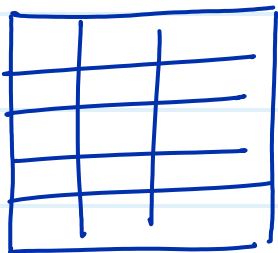
No SQL

SQL - structure query lang.

Relational DBMS

Data

- ① structure
- ② semi structure
- ③ unstructure



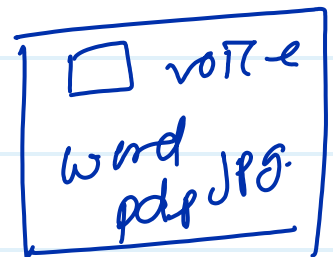
table

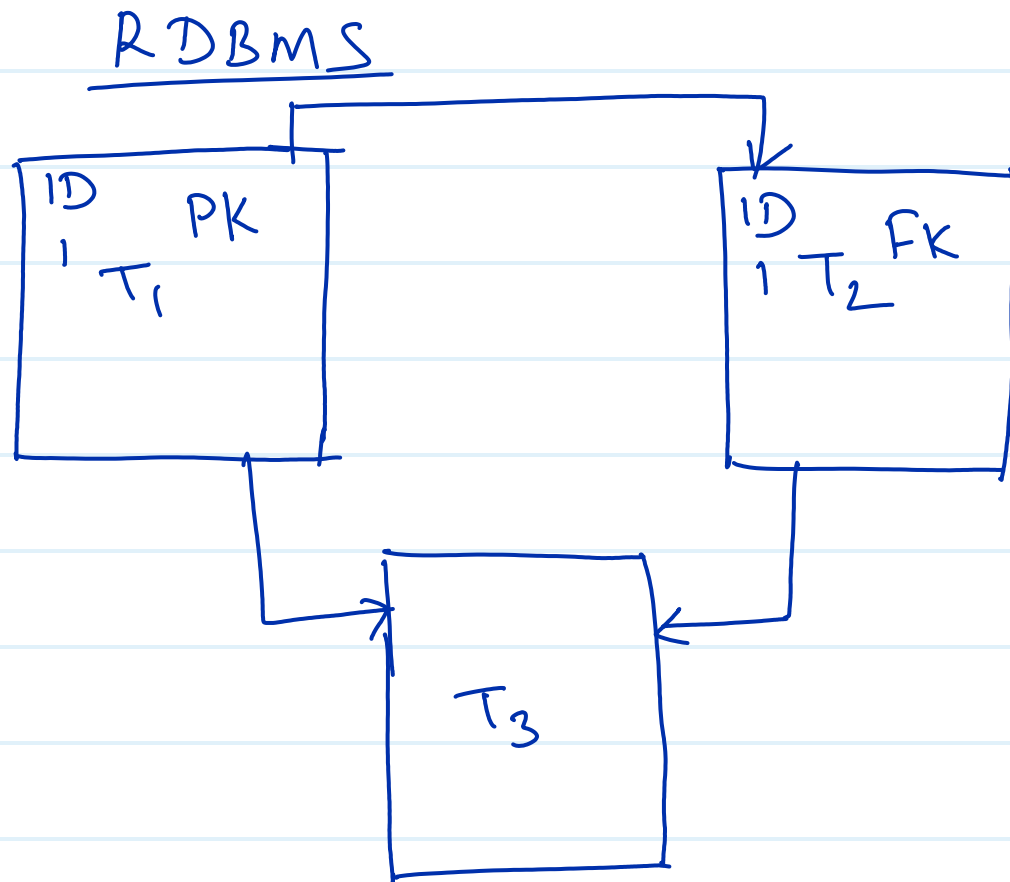
{
}
}

JSON

XML

HTML
parquet, pickle





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

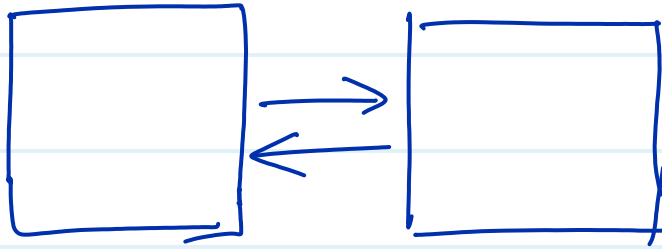
- ① DDL
- ② DML
- ③ DCL
- ④ TCL
- ⑤ DQL

★ View

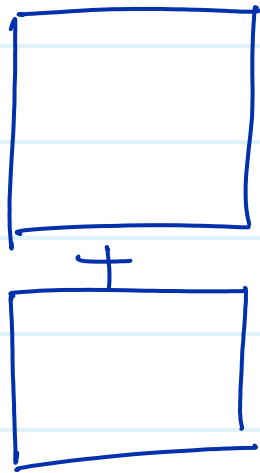
C ₁	C ₂	C ₃	C ₄	C ₅	C ₆

C ₁	C ₂	C ₅	C ₆

* Join



* Union



* Sub query

"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)