Database

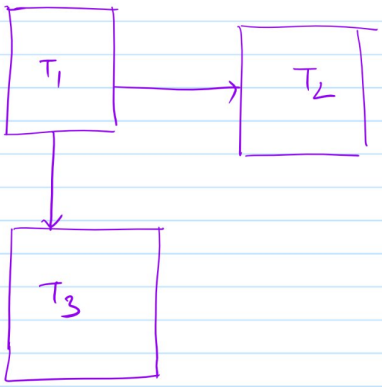
SQL ✓ — RDBMS

No SQL — DBMS

→ structured query lang — IBM

own — oracle.

RDBMS



1) MySQL ✓
2) SQL Server
3) Postgray
4) oracle

DBMS

file formate json

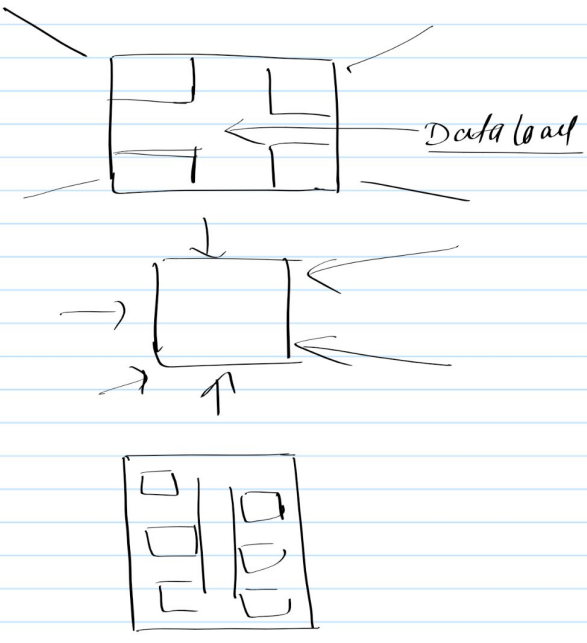
XML

parquet

Html

GBQ

1) mongoDB ✓
2) Redshift
3) Casandra



✓ Database –

✓ Datawarehouse –

✓ Data lake –

✓ Datamart –

Cloud –

Database Vs cloud.

SQL

1) No casesensitive
2) No command line interpreted
3) No high level
4) query writting

Datatypes

int - tinyint, Big int
float - Decimal, Dobaul
str - varchar, char, text
tuple - ( )
Bool - True / false
Blob - Image
Date - "yyyy-mm-dd"
Time -
Datetime -

operators

(1) Arithmetic
+, -, *, /, %
(2) Comparison
=, <, >, !=, >=, <=, <>
!>, !<
(3) logical
and, or, between, in, like, is, not,

employee

ID	name	salary

```
select * from employee;
```

(1) Command → (a) DDL (b) DML (c) DCL (d) TCL (e) DQL
(2) clauses → (a) where (b) groupby (c) having (d) orderby (e) limit (f) offset
sub-query
(3) constraint → (a) key (b) Basic ,
(4) view → virtual table
(5) Join → (a) inner join (b) left join (c) Right join (d) cross join (e) self join
(6) Union → (a) union (b) union all
(7) Case → Conditional statement
(8) function → windows analytical function
(9) CTE → Common table expression