

Day 3

Wednesday, May 31, 2023 8:58 AM

My SQL

→ Relational Database Management System

- Tabular
- ACID
- SQL

Database Management System.

Files, xml, json...

No Security.

NoSQL

↳ Not only Structured Query Lang.

[Aman, 24, 5'7
Mani, 22, 5'8
Sham, 26, -

Name	Age	Height
Aman	24	5'7
Mani	22	5'8
Sham	26	Null

json → NoSQL
↳ MongoDB

[Name: Aman, Mani, Sham
Age: 24, 22, 26
Height: 5'7, 5'8

→ ACID

→ Atomicity: Txn executed completely or not execute at all.

→ Consistency: Data Before the txn & After the txn should be consistent.

→ Isolation: Every txn is isolated, that means one txn can not effect another txn even if it occurs simultaneously.

→ Durability: it ensures that my data is durable.

Data definition
language

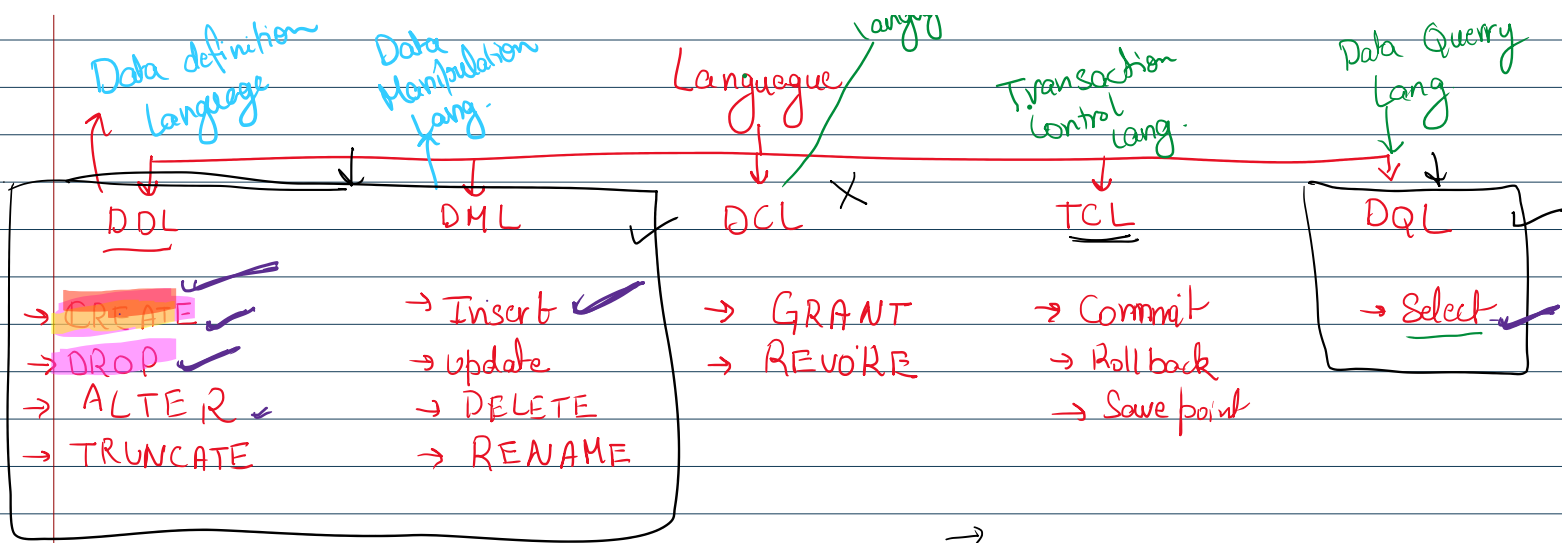
Data Manipulation
language

Language

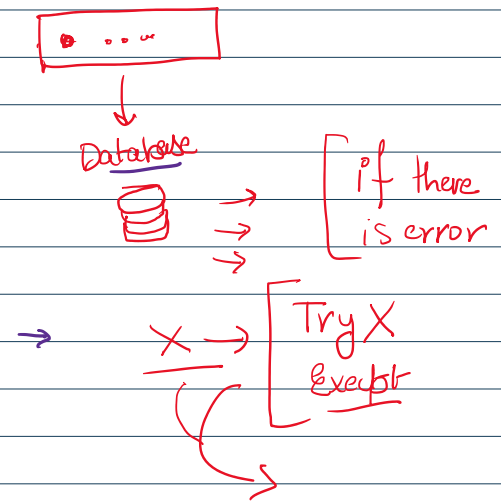
Data control
language

Transaction

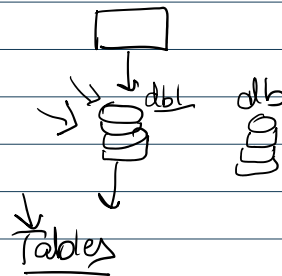
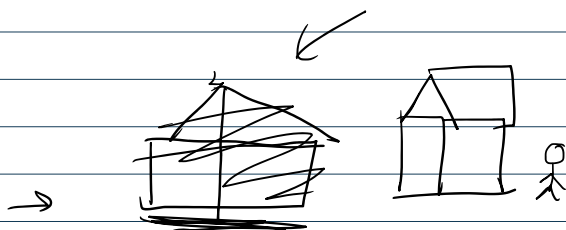
Data Query
Lang



- Connect to Server.
- ① Drop database [if Exist] name - db;
 - ② Create Database name - db;
 - ③ USE name - db;
 - ④ CREATE table
 - ⑤ Insert values.



You can not have database/ table with the same name.



→ Example

Marks

Subject	Pass/Fail
English	Pass
English, Math	Fail
English, Phys	Pass
Math, Phys	Fail
X Chemistry, Eng	Pass.

Create table Marks (^{any value, set of}
↑ values given in set
Subject SET (English, Math, Physics),

Pass/Fail Enum (Pass, Fail)
↑ ↑
↳ Either one