My SQL → Structured Query Language
              ↳ Data
      ↳ what? Tool

Jupiter Notebook → Python

UI → Workbench   My SQL → SQL
Terminal → Shell
                          Tool   language

PL SQL
Posgress
SQL Lite
Oracle
Couch db
Casandra
⋮

─────────────────────────────────

→ Database? → Where you store your Data
                          ↳ One valuable unit

                          Shop   ← Database
→ 1800ˢ → Paper   N | An | A... | Ad

   200
                                      Name   R.3
→ 1990 → Computers
                          1000X   ⑤
                                   ①
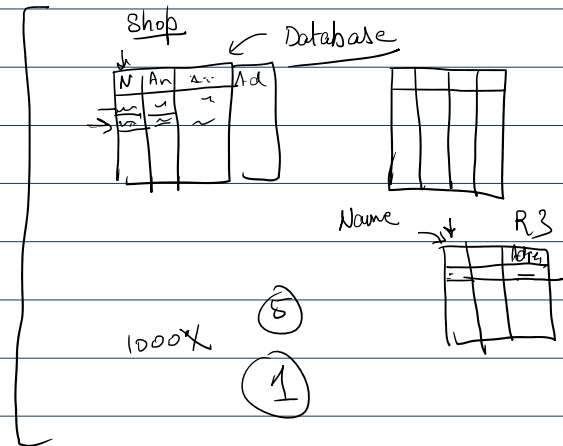✓→ Excell sheest   10 lackh → Types of Database → Centralize, Decentralize,
        Database ✓   DS   → NoSQL, Relation, Cloud

Database   DS   → NoSQL, Relation, Cloud

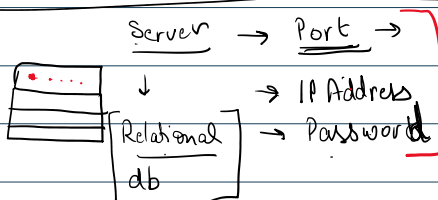→ OOdb, Network, Herachical

→ Chemist → [   ]

Relational database	No SQL / Database
→ Tabular	→ Not in tabular. / file format
→ Structred,	→ Not Struct / file format / Photos / videos

Server → Port →
   ↓   → IP Address
[Relational] → Password
 db

Connected
→ db → Name → Movies db
→ Table, Tablele
→ SQL

[Create
Update
Delet

Managing

I have lot of Data → Movies

Tabular format

→ Administrate / Communicate

Server
  ↓
Db   ea. SQL bo

Tables   Structred   ((struct da))

Relational Database

Movies

ID	Name	Duration
1	Olcabri	3:
2	Dhawl	2
3	Bahul	2.5
4		
5		

Dirctors

DircID	ID	Dir
101	1	. . .
102	2	. . .
103	3	. . .
. .	1	. .

Ranking, Collection

Dirctoid	Imdb	Cole —
101	1	50 ~
102	2	30 ~
103	3	

→ 70%
→ Financial , Banking

→ 70%

→ Financial , Banking

SQL → Longuage → MySQL

$\underset{\text{Languag.}}{\text{SQL}}$ → $\underset{\text{to}}{\text{Longaage}}$ → $\underset{\text{Tool}}{\text{MySQL}}$

Post-

RDMS → Related

DMS → File

Super key   Candidate.

Student

PK

Id	Name	Age
1	Aman	34
2	Dilip	26
3	Aman	34
4	Vijit	

Courses

FK

Corce id	Stu-id	Cource
101	1	DS
102	2	DA
103	3	ML
104	4	SQL

FK
id   Class

id				
1	—	—	—	—

→ Primary Key ① → Only one PK present in
                       the table.

               ② → All the values in PK col
                     hold unique values.

               ③ → No Null values allowed