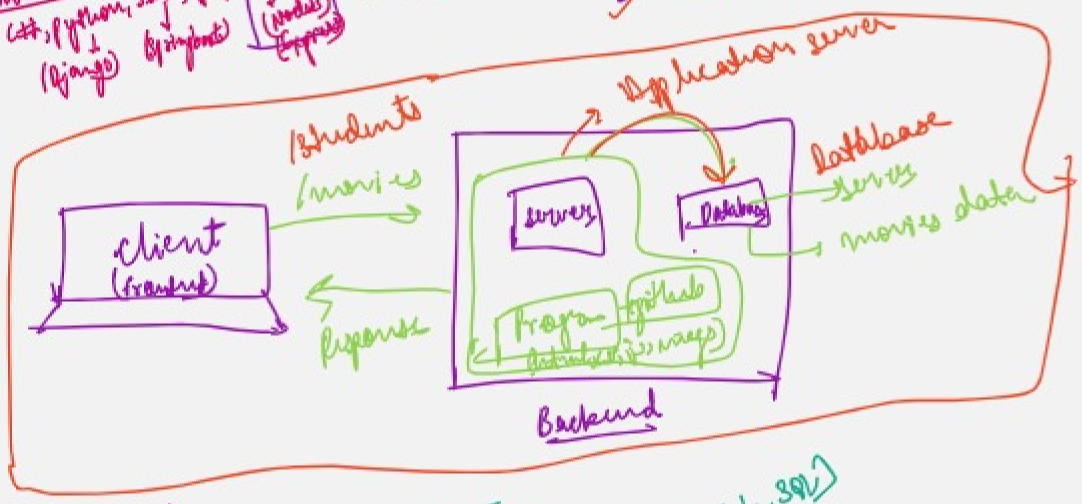
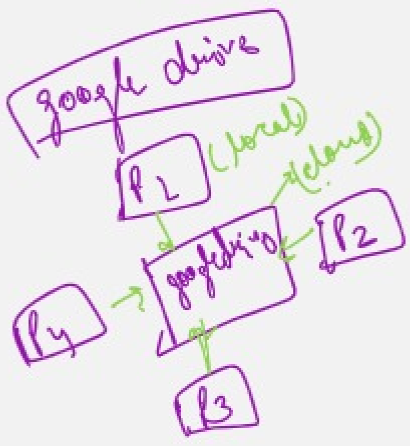
1. go through live session (24hr)
2. Interactive (yes and no)
3. Doubt in chat box
4. Join on time (8:05)

Backend
- server
- Database
  - SQL
  - NoSQL (MongoDB)

Backend Development
- Tech stack
  - C#, python, Java, PHP, JS
  - python → (Django), Java → (Springboot), JS → (NodeJS, Express)





Backend
1. server logic
   - authentication
   - authorization
2. Database Management (NoSQL, SQL)
3. API development (Node, Express)

Backend Developer
1. DSA Algo
2. Prog. lang + framework
   - JS → NodeJS
   - Java → springboot
   - python → Django
   - C# → .net

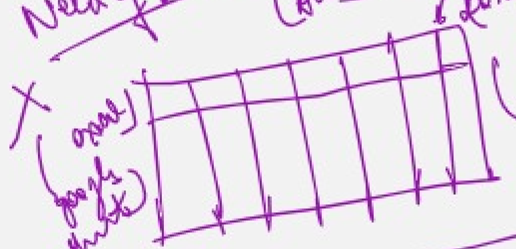
3. DBMS
- MySQL → SQL
- oracle → SQL
- SQL server → SQL
- postgres → SQL
- MongoDB → SQL

MongoDB
- NoSQL

4. Hosting
- AWS → Netlify
- Azure → vercel

Need of Database

(Alisha) + Instructors
(lemon students)

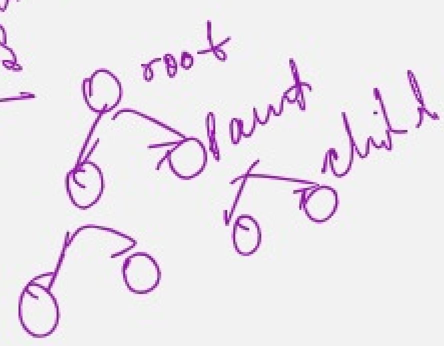


(40,000 +)
(crores & lakhs of data)
(user data, product)
→ DBMS

Types of DB
1. Relational DBMS (SQL)
   - rows & colums (Tables)

Types → MySQL, MariaDB, oracle, SQL server, PostgresSQL

2. NoSQL DBMS (BSON, similar JSON)
   - No structure
   - Types → MongoDB, cassandra, cosmosDB, DynamoDB
3. object-oriented DBMS (OO.DBMS)
   - objects
4. Hierachal DBMS
   - nodes
   - variant



5. Network DBMS
   - Integrated Data Management system (graph)

3 tier architecture