

## Agenda.

→ Announcements.

→ WA group

→ Homogeneity form

→ Curriculum

→ SQL Module

→ Why SQL at Scaler?

→ Curriculum

→ Expectations Setting

→ Todo's.

→ LLD & Projects.

→ Backend (vs) Fullstack

→ Prog languages

→ Projects.

## Announcement.

↳ Doubts.

↳ Support Query X

## Homogeneity

⇒ Ensuring a class have similar set of people.

⇒ Homogeneity form.

↳ (10-15 basic questions)

Based on the form responses, we'll give you  
Int|Adv (a) Beginner batch.

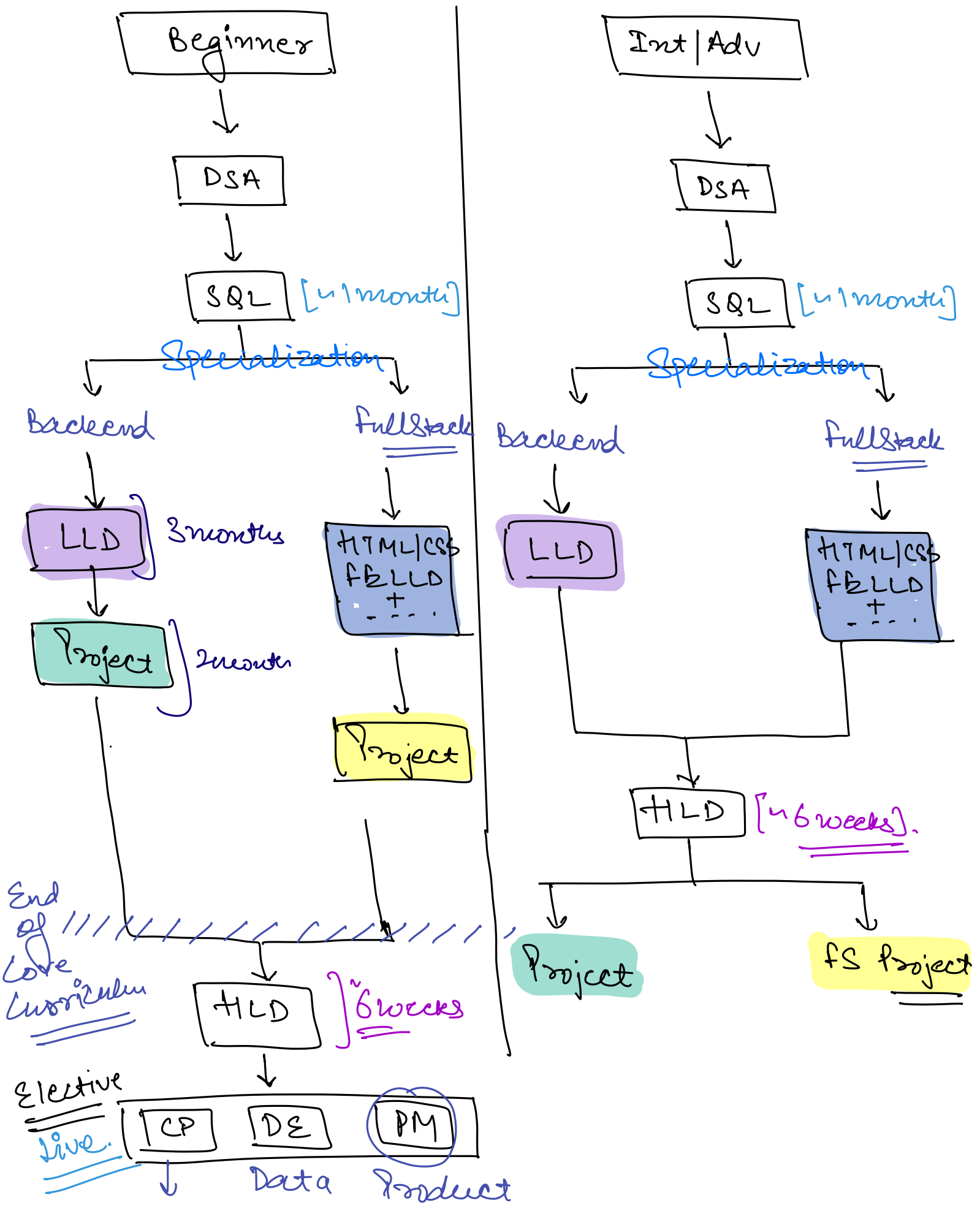
# Int|Adv (vs) Beginner batches

⇒ No difference in classes | curriculum | content |  
instructors | assignment | hw | content | Mock Inter

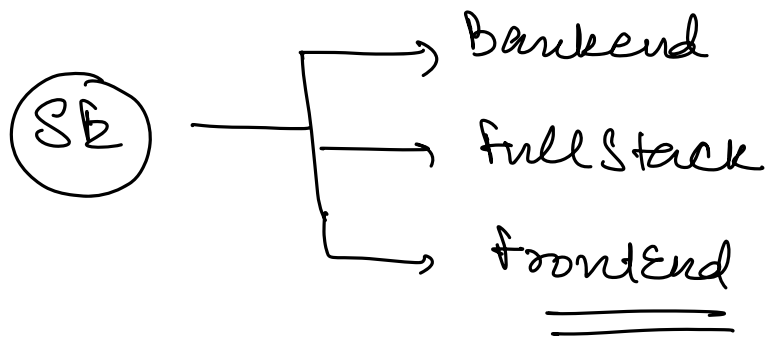
⇒ Speed of the class | Doubts asked in the class.

⇒ Same outcomes.

# New DSA curriculum at Scaler.



Competitive Eng. ~~Programmer~~ ~~Manager~~



⇒ Only one specialization you can attend live.  
(BE / fs)

⇒ You can get recordings of the other one from Support.

⇒ Why SQL module at Scaler?

Interview Data Analysis.

↳ 15% of the rejections were because of SQL.

⇒ New DB + SQL Curriculum.

## DSA + SQL

⇒ SQL + DBMS : 1 month.

1) How to build your own DB ? ×

2) How DB works internally ?

- Query Optimization ×
- Indexes work internally ✓
- Concurrent Queries ≈

3) SQL ⇒ 100%.

4) Database design. ⇒ 100%.

SQL:

- Tables
- Relationships b/w the tables.
- Good performance.

5) No SQL Databases ⇒ HLD

⇒ Some video recordings.

## # SQL Classes.

Intro to DBMS

Intro to keys

CRUD-1

CRUD2

JOINS-1

JOINS-2

Aggregate fun<sup>^</sup>

Subqueries

Transactions

Indexing

Schema Design-1,2

Basic

Advanced

## Expectation Setting

⇒ Don't expectScaler to Spoonfeed

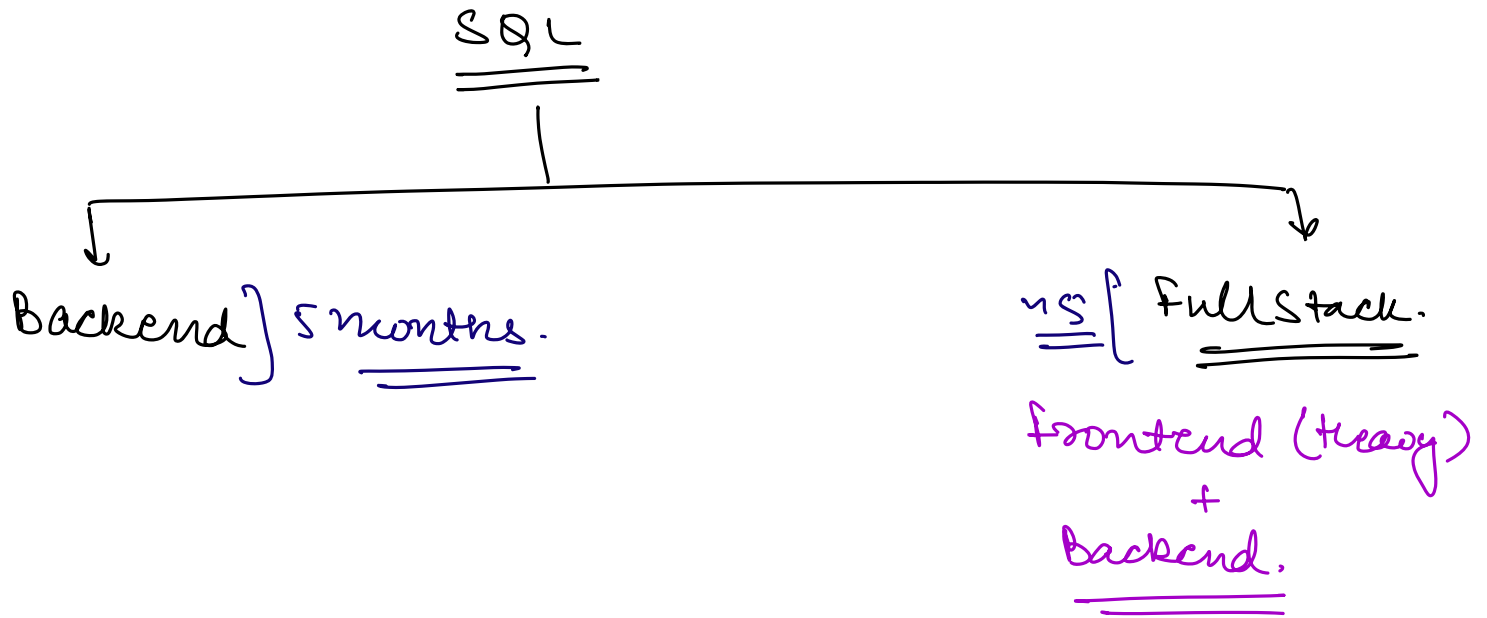
⇒ ToDo

1) Install MySQL8

2) Install MySQL workbench

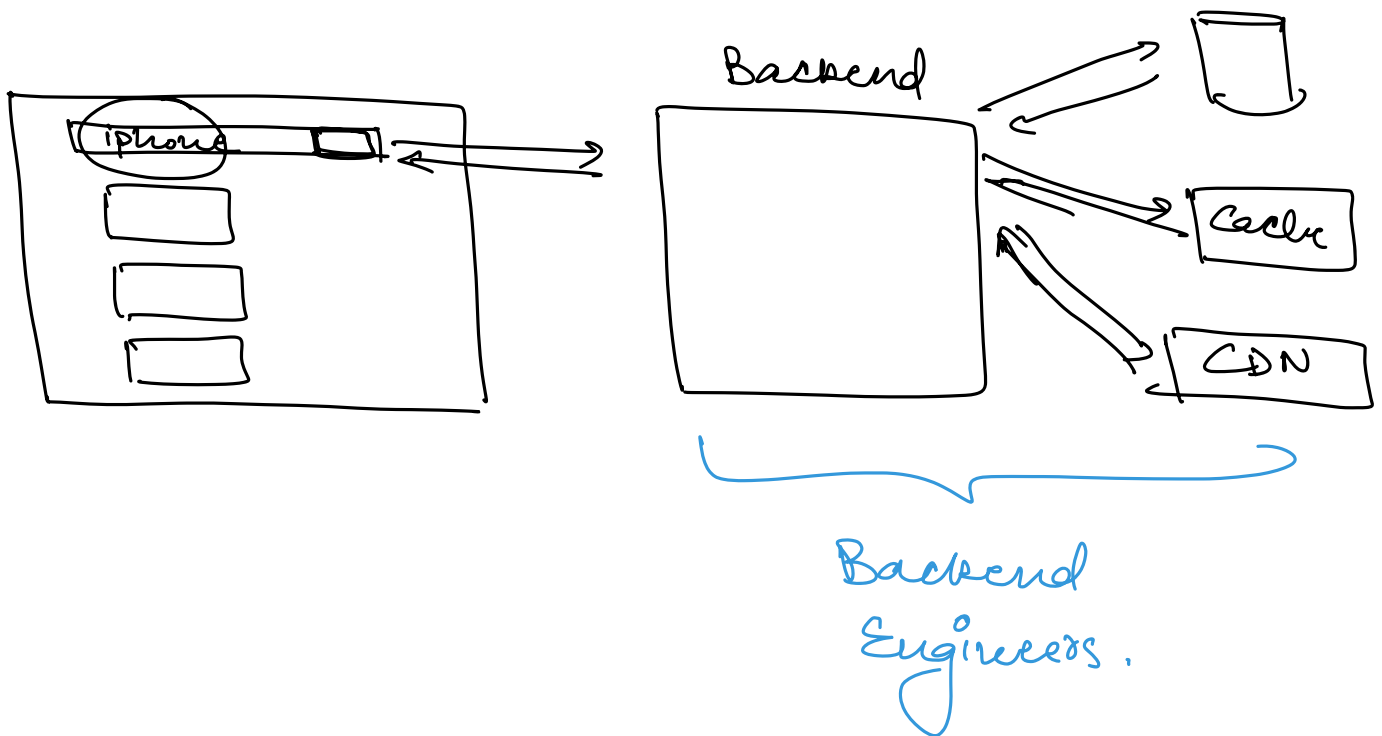
3) Download Sakila DB.

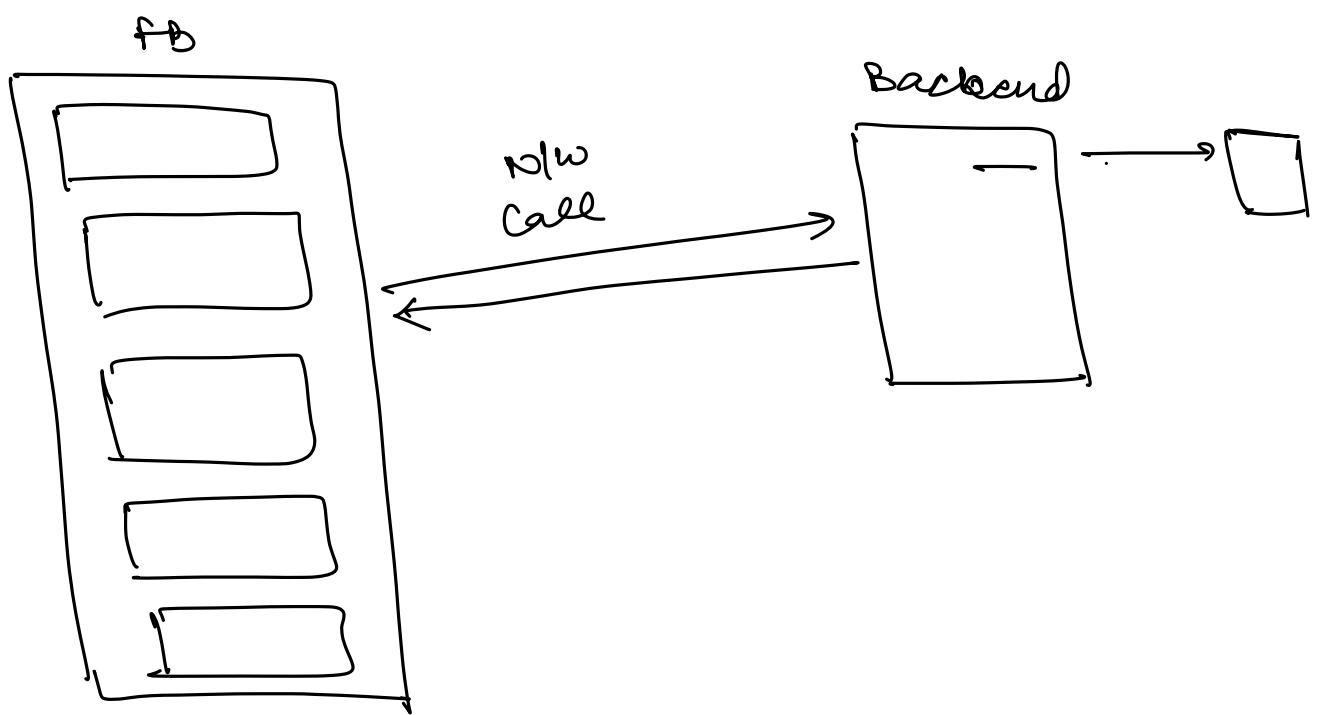
# Curriculum after SQL.



- ⇒ One of them live
- ⇒ Recording for the other one.

Frontend (vs) Backend.





Frontend.

↳ HTML | CSS | JS | React

Backend.

↳ JAVA  
Go  
Python  
⋮

Why Java?

⇒ 780% of Job opportunities  
are for JAVA

Fullstack.

↳ Good Frontend Engineers + Decent Backend Engineers.



How to decide?

⇒ Myth

~~Backend Engineers are paid more than  
FE/FS Engineers.~~

Fresher

FE : 6-18 LPA

BE : 8-18 LPA

2 Cr/PA ⇒ Frontend Engineer.

INDIA.

12 YOE.

⇒ Director of Engineering

# No. of job opportunities.

60% ⇒ BE.

20% ⇒ FE

20% ⇒ FS

# Frontend is Easy X

⇒ Decision should be taken based on your excitement.

⇒ Backend

↳ If you are already working as a BE.

↳ Problem solving / DSA / Scalable Systems excites.

- Homogeneity ⇒ New DSA
- Join WA
- Install SQL stuff.
- BH VC FS.

Begin  
Int/Adv