

# Agenda.

## → Announcements.

→ WA group ✓

→ Homogeneity form ✓

→ Curriculum. ✓

## → SQL Module

→ Why SQL at Scaled?

→ Curriculum

→ Expectations Setting

→ Todo's.

## → LLD & Projects.

→ Backend (vs) Fullstack

→ Prog languages

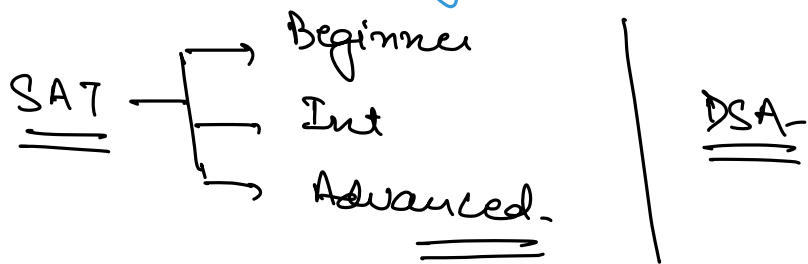
→ Projects.

⇒ WhatsApp group.

- ↳ Doubts Resolutions
- ↳ Connect with Instructor.

⇒ Homogeneity form.

Ensure that every learner in class is of similar background.



Good in DSA | Not very good at Development.

Homogeneity form. [Deadline : 15<sup>th</sup> feb, 6PM].

⇒ If you are a Beginner, but as per the form results if we think you should be in the Int/Adv batch, You will have an option to DISAGREE with us.

# # Beginner (vs) Int/Advanced Curriculum

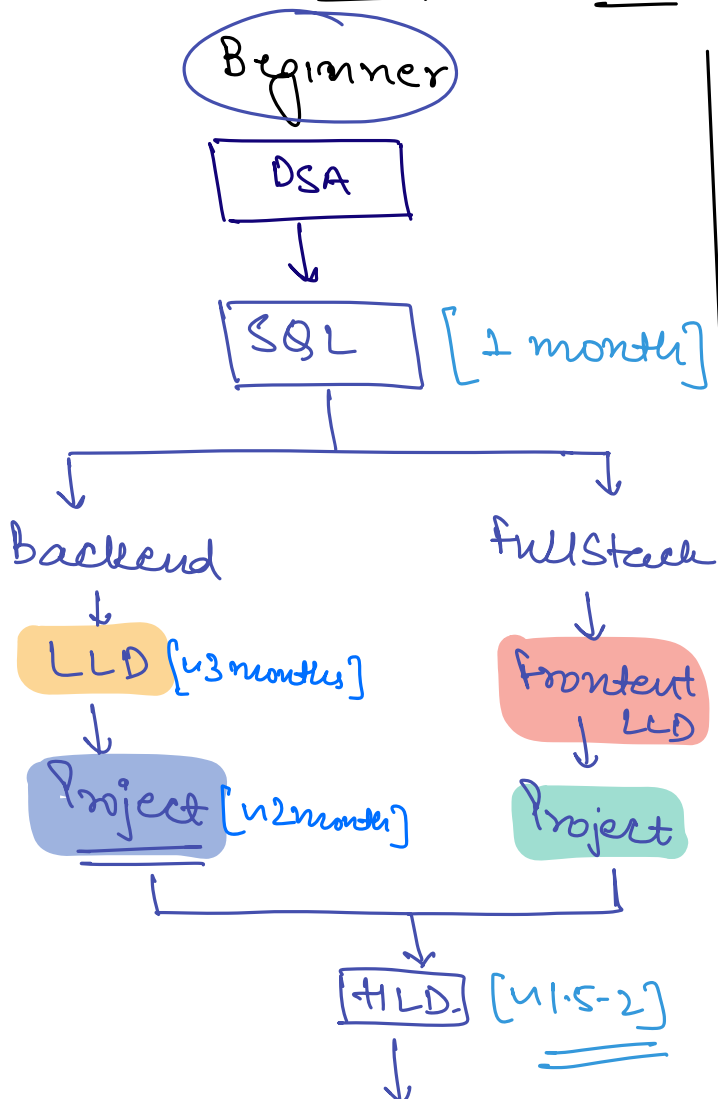
⇒ No difference in Curriculum for Beg (vs) Int/Adv  
Assignments /  
HW / Project /  
Contest / Mock  
Interview.

⇒ The only difference b/w the pace of the Class.

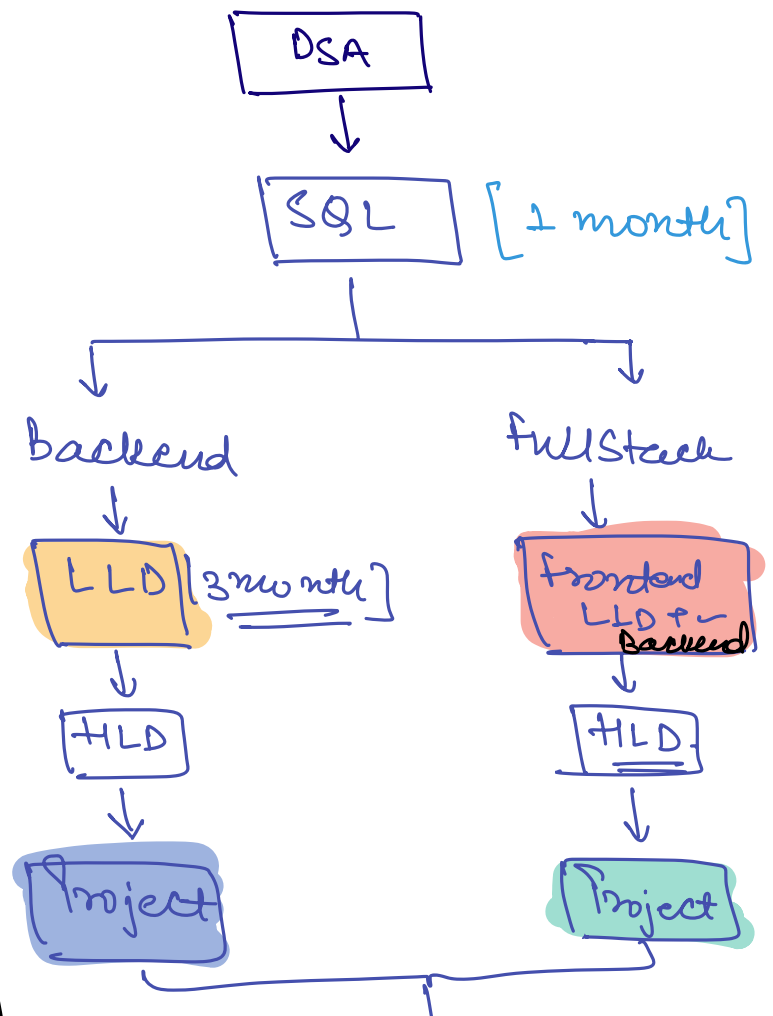
⇒ No difference in the Instructors.

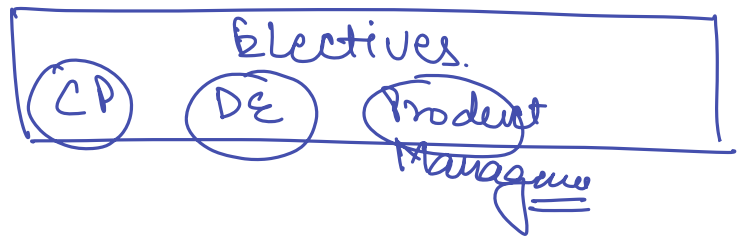
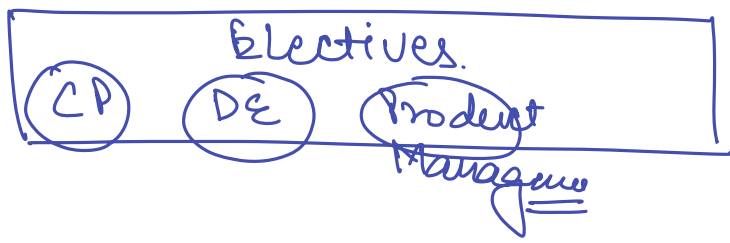
LLD: Low Level Design.

## Scaler Curriculum Post DSA.



## Int/Adv.





⇒ Backend (vs) Fullstack

⇒ Only attend one module live

⇒ For other module, you can recording + Assign from Scaler.

# Why SQL module at Scaler

We used to have only 4 classes on SQL.

Now we have 13 classes on SQL.

Jan 23 ⇒ ~ 15% of rejections were happening because of SQL.

⇒ New SQL Curriculum.

DSA + SQL + Advance  
language  
concepts ← LLD.  
→ OOPs,  
Exceptions,  
Lambdas,  
Streams, Concurrency

DB.  
SQL curriculum.  
↓

Cover the concepts which are MOST important  
to clear 99% of the SQL interviews.

⇒ SQL queries. [~100% depth]

- ↳ CRUD
- ↳ JOINS
- ↳ Aggregate queries
- ↳ Indexing

+ DB design. 100% depth.

## ⇒ Other type of Databases.

→ NoSQL databases

→ Cassandra

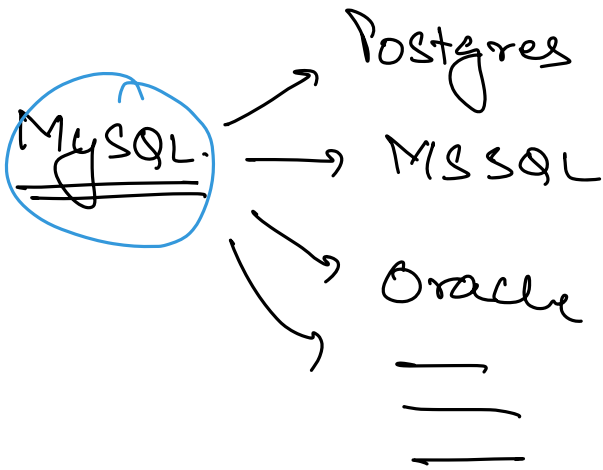
→ Redis

→ Elasticsearch

→ Sharding

→ Master Slave Arch

HLD  
Module.



## SQL Curriculum.

Intro to DB } Theoretical.  
Keys

CRUD 1

CRUD 2

JOINS 1

JOINS 2

Aggregate fun<sup>^</sup>

Subqueries & Views

Indexing

Transactions 1, 2

Schema Design 1

Schema Design 2

# Typed Notes for SQL module.

———— SQL ✓ ————

① Content

② Mock Interview.

Expectation Setting -

① Don't expect Spoonfeeding.

[  
→ Art of googling stuff  
→ Art of exploring things on your own.  
→ Art of using ChatGPT.

## To Do before 1<sup>st</sup> SQL Class.

- 1) Install MySQL on your myc.
- 2) Install MySQL workbench.
- 3) Setup Sakila Database

⇒ Curriculum after SQL.

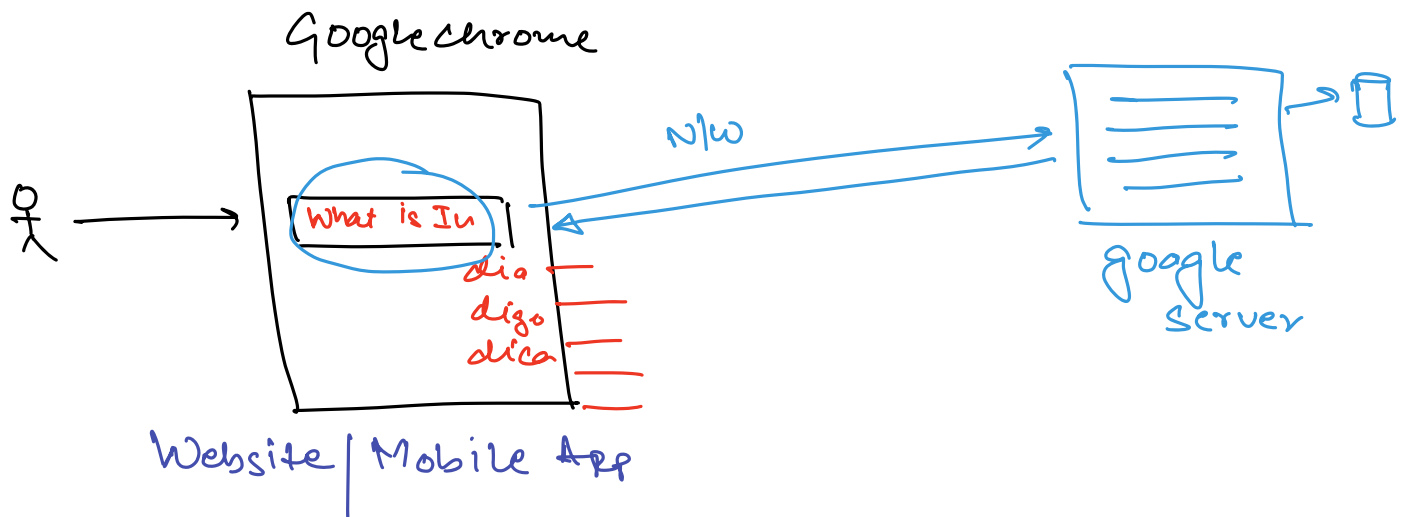
Backend (5 months)  
(LLD + Project)

Full Stack  
[LLD + Project]

(5 months)  
Frontend + Backend

⇒ Only one of these you can attend live.

⇒ For other you can get the recordings.





Frontend

⇒ Code that runs on browsers

⇒ HTML | CSS | JS | React ...

Backend

↳ Java  
C++  
Python  
Go  
Node  
Ruby  
=  
=  
=

⇒

Full Stack

↳ Great in frontend + Basic in Backend

Scaler's  
Full Stack Module is  
going to frontend heavy

# How to Choose b/w Backend Vs FullStack

Myth.

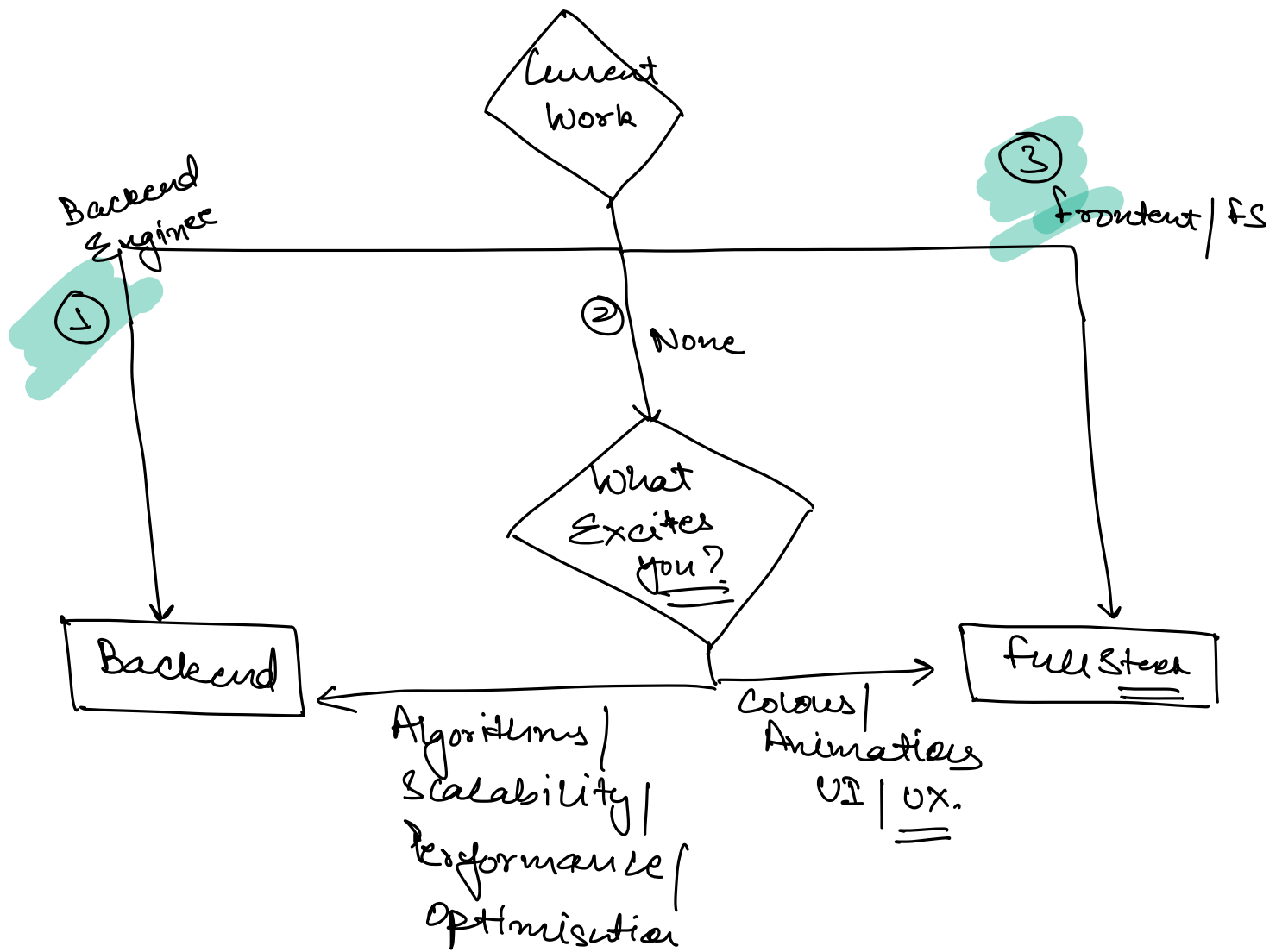
Backend  $\Rightarrow$  10 - 18 LPA

FullStack  $\Rightarrow$  7 - 18 LPA

~12 YOE, frontend Engineer  $\Rightarrow$  2 Cr / Annum [India].

$\Rightarrow$  frontend is a bit easier than Backend.

# # How to Decide.



⇒ Front Languages.

Fullstack ⇒ HTML / CSS / JS / React / MongoDB / Express / Node.js.

Backend.

↳ Java / Spring Boot / Hibernate. / Aws.

⇒ All the concepts are language agnostic.

⇒ How to Choose the Specialization.

After this class, You will see a popup on your dashboard to choose specialization.

Todo's.

- ① Join WA group
- ② Fill homogeneity form
- ③ Choose specialization
- ④ Installations related SQL.

HLD  $\equiv$  System Design.