

Will Start at 12:10 PM

[Post - DSA]

Agenda

1 General

→ What App Group

→ Homogeneity

→ Scaler Curriculum Ahead

2 SQL

- → Why SQL at Scaler

→ What, Why, What Not, Why Not, How
of Scaler Curriculum

→ Class List

→ Expectations

→ TO DOs

→ No spoonfeeding
become independent

before fit for class

3 L&D and Projects

→ Curriculum

→ Backend and Frontend

→ Market Expectations

→ Backend

→ Fullstack

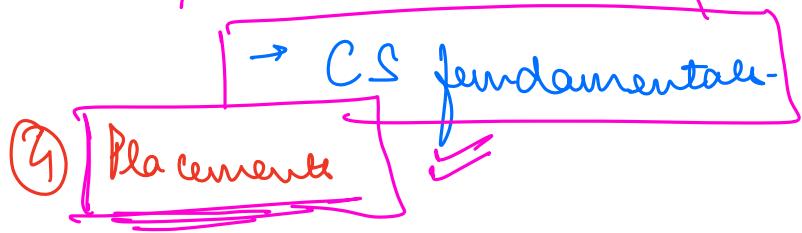
→ Language

→ Project

→ Myths

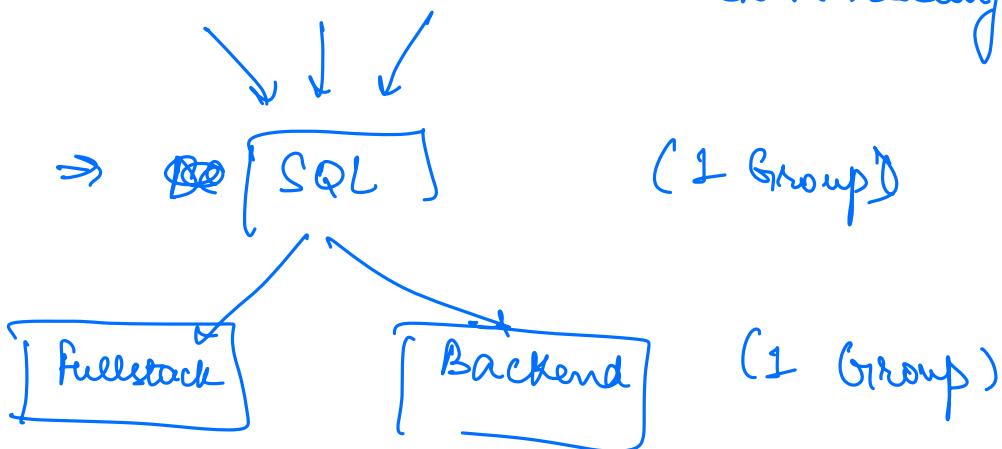
→ How to Choose

for
Neovarsity Student



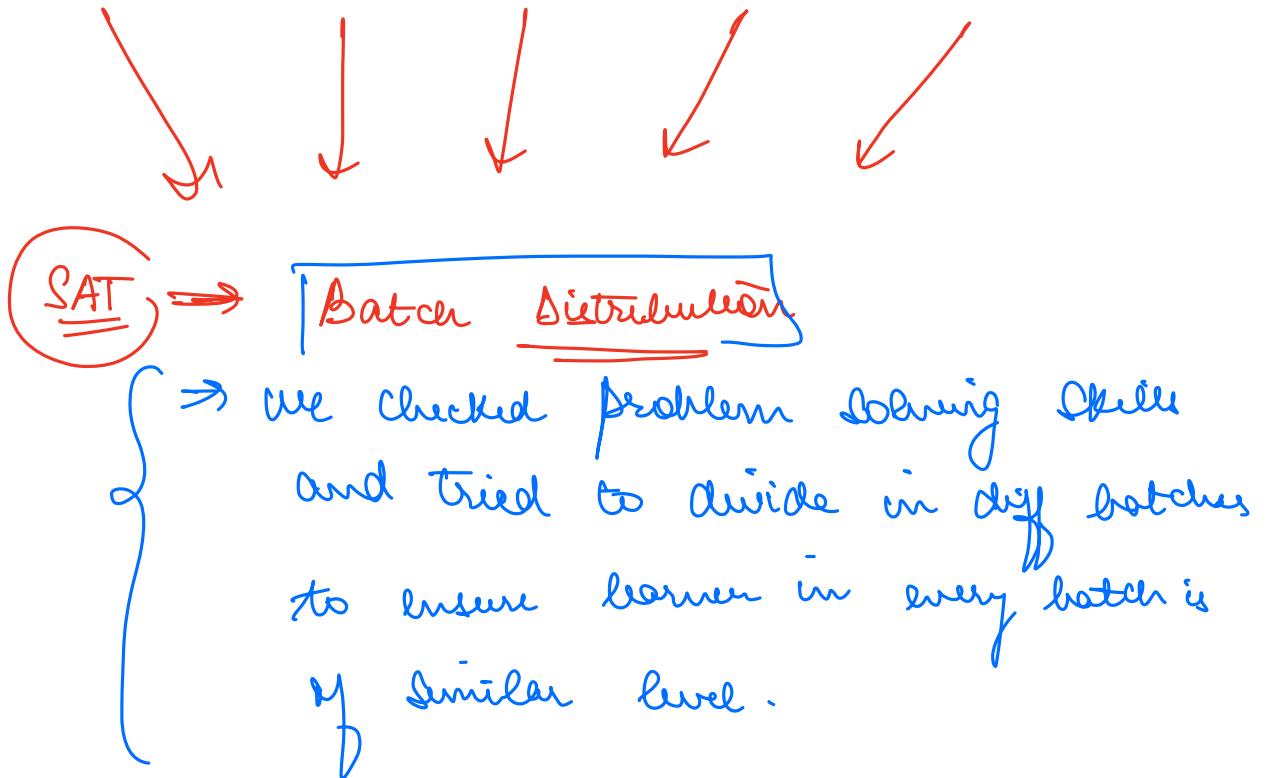
What App Group

⇒ ① Communicate (Announcement,
extra reading material)



- (DO) ① Any comm with instructor, class peers
- ② announcements from instructor
- ③ build your community
- (DON'T) ① Support Queries (Support @ Scaler. com)
 - = email
 - = within 24 hrs we will reply

HOMOGENITY

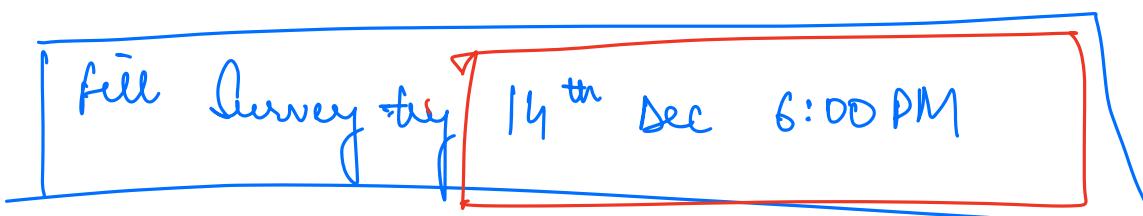


→ 2 min Homogeneity Survey ↗ learners in 1 class are of similar prior knowledge

- We trust your answer.
- ≈ 10-20 yes/no qⁿ asking about your prior knowledge
- Answer yes if you have a high level idea of that concept even if not crystal clear

Based on your answers, we will send an email

→ you are currently in Reg. We think you should be in Int. We will move you to Int unless you ask us not to move.

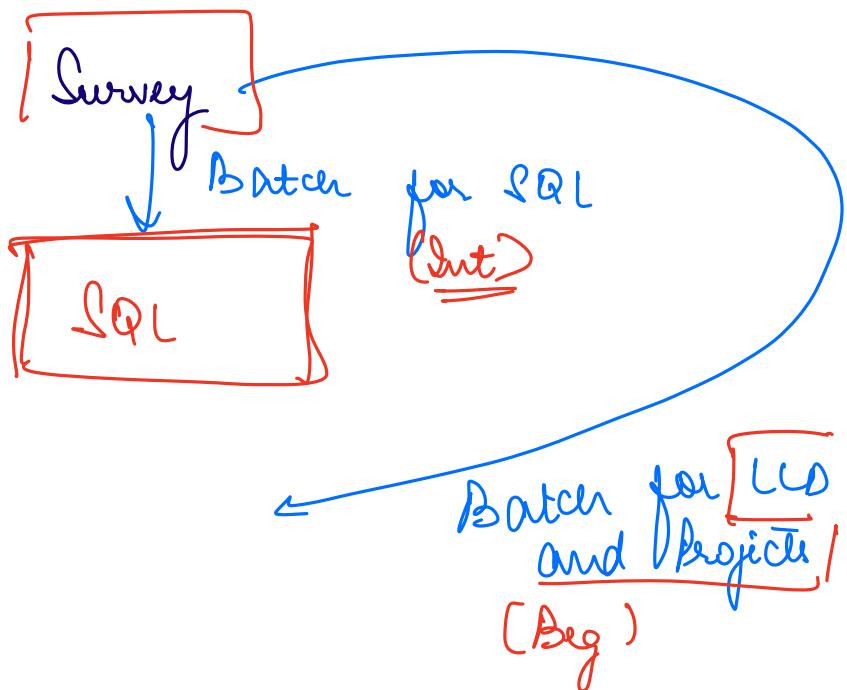


within some hrs after that you will get a recommendation for us if we think you are not in correct track

If you don't want to follow our recommendation, say a No in that form. anything 24 hrs

- ① Cur in every batch is same.
- ② Exact same class list
- ③ Exact same instructors for both type
- ④ Same outcomes.

⑤ Only diff is duration of classes. And type of doubts.

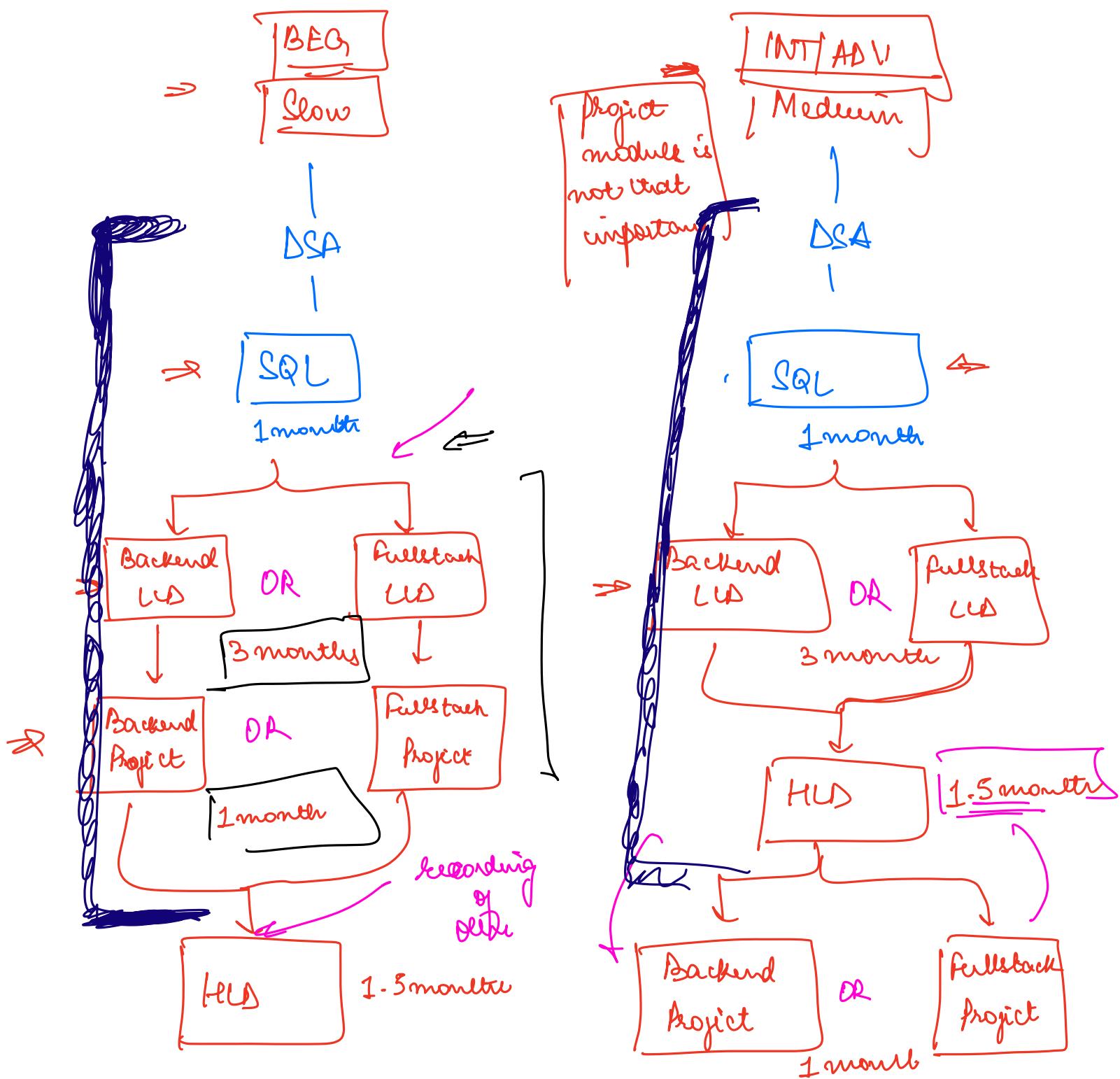


- {
- TO: Fill homogeneity Survey
 - T + 2: Recommendation for SQL
 - T + 30: SQL completes. Recommendation for LCD and Projects
- }

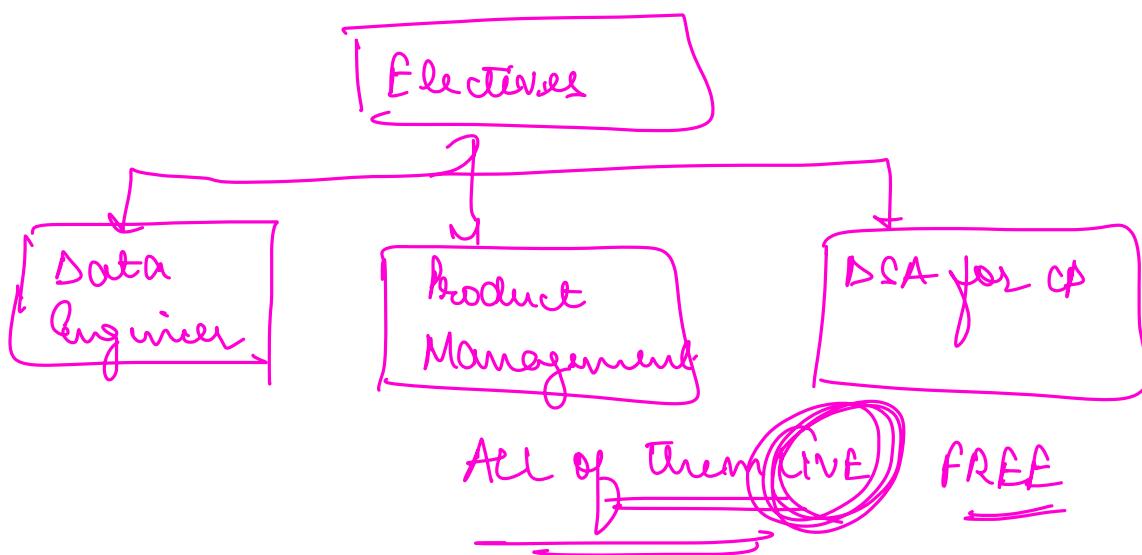
↓

Till 12:48 to fill this | homogeneity survey

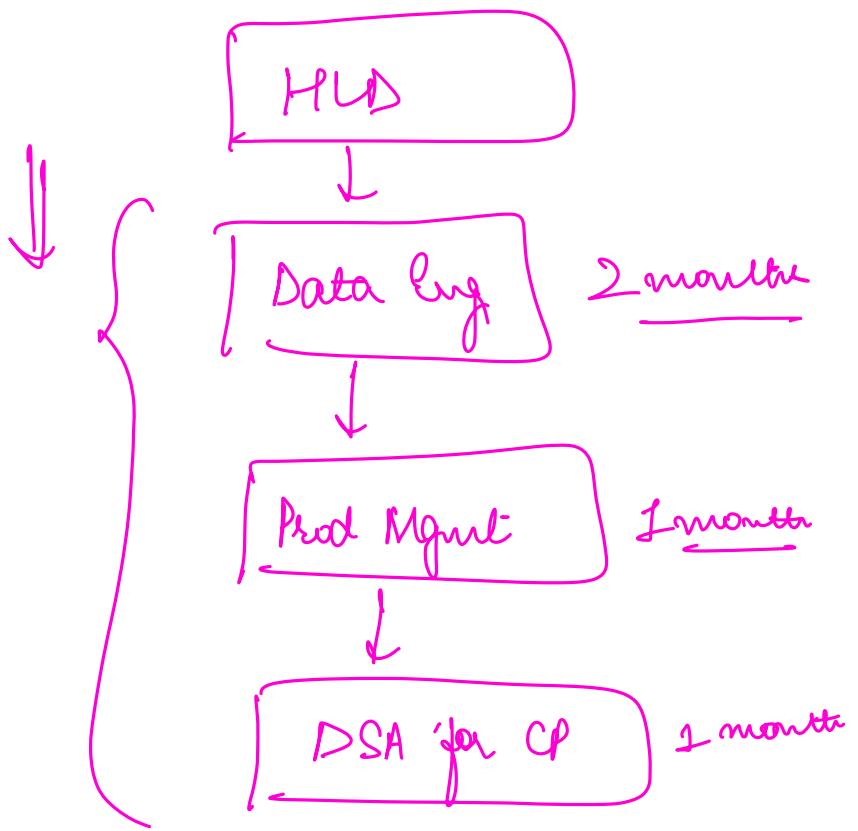
Scaler Curriculum Ahead



→ Only diff is for Beg projects happen earlier



- ⇒ Can do only 1 of Backend OR fullstack
i.e.: ~~one~~
- ⇒ Will get recording of other specialization alongwith assignment post your selected specialization complete
- ⇒ Every learner can do every elective LIVE, one after other
- ⇒ We conduct every elective once a quarter.
- ⇒ We will schedule classes by every elective for every learner
- ⇒ Don't attend if you don't want to
- ⇒ Attendance and PEP is optional in electives.



SQL

Why SQL at Scale

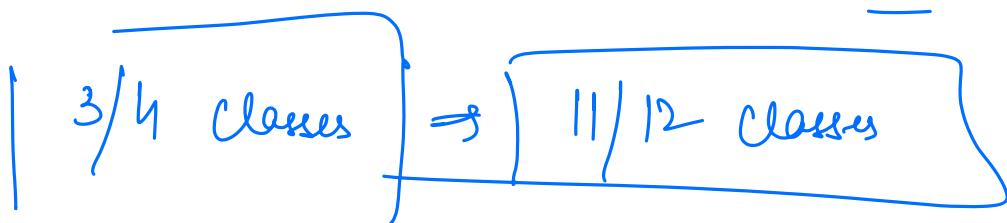
→ to get better jobs 15%

→ to get better at jobs 95%
work with DB

2023

15% of rejections of Scale Students were because of insufficient SQL knowledge and

Database



Data is the core of any S/w system

Save data]
fetch data] do this
 efficiently

→ Only DSA is not at all enough to get good job opportunities

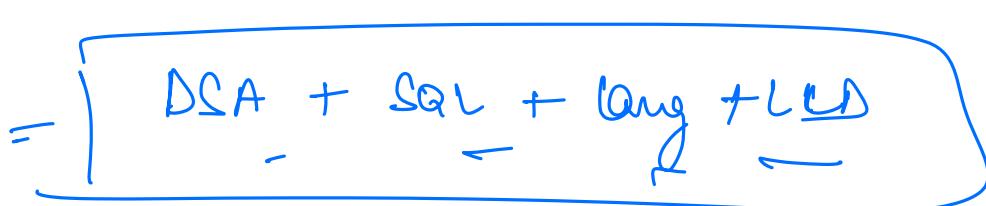


→ Java

→ Python

→ .NET

Top Companies



MUST-MUST
HAVE

Beg DSA + SQL + lang + LCD + Project

Int/Adv DSA + SQL + lang + LCD + HLD

→ only FAANG hire only based on DSA

Break till 1:30

→ SQL Curriculum in Detail

There are 4 types of things related to Databases & SQL:

① How DB work internally ($\approx 30\%$)

→ internal of indexing, concurrency,
query execution ⇒ Briefly

② SQL Queries (100% depth)

enough for interview
and day to day job

→ Joins, Subqueries, group by

③ DB Design. (100% depth)

→ what tables

→ what keys.

→ what relⁿ bw 2 tables.

④ Dist databases. (Not covered) ⇒ everything here

will be covered 100%
in HDB Module

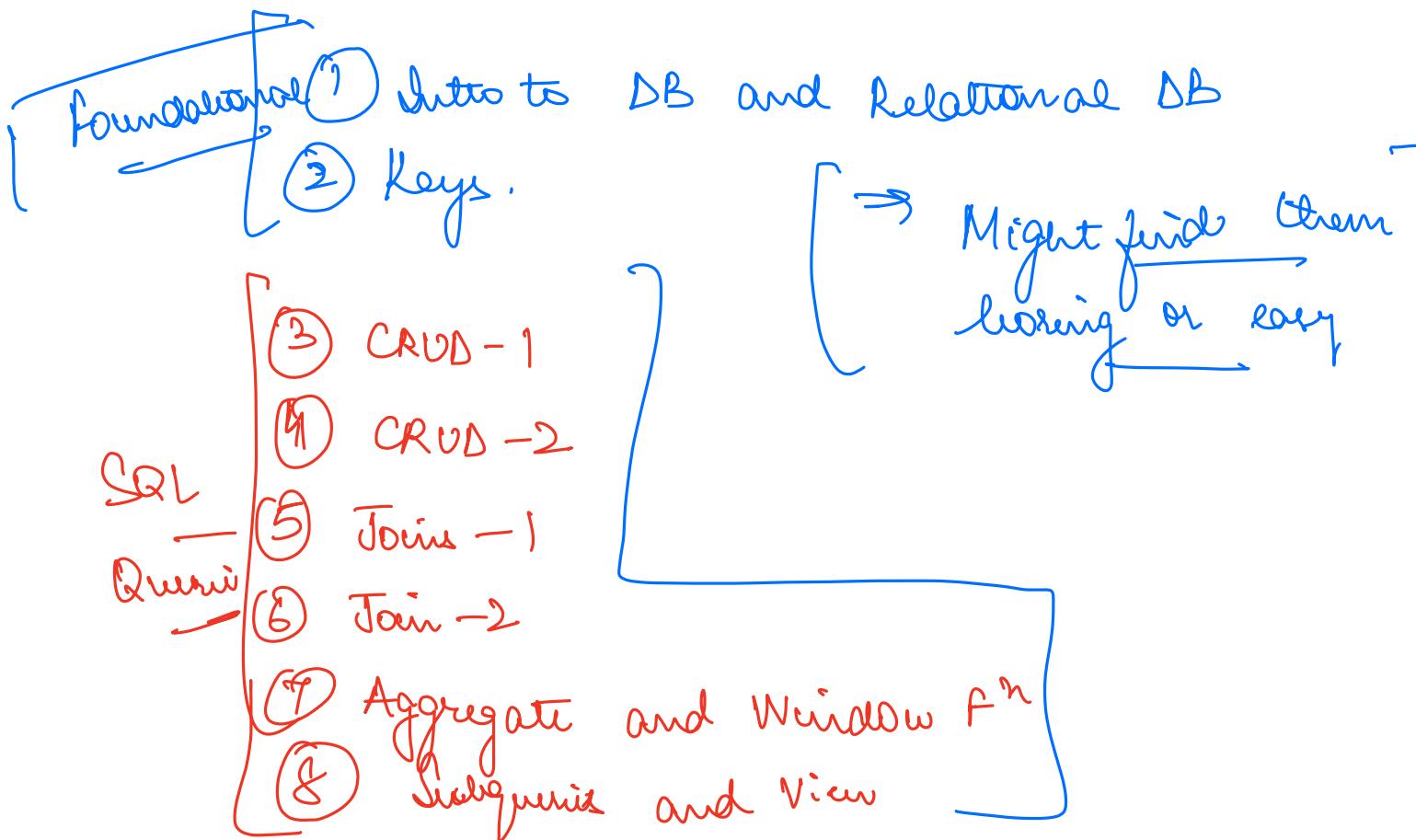
→ Scaling

→ No SQL

→ Sharding / Partitioning.

Recorded Videos: Not wif. Only for knowledge purpose

Classes List

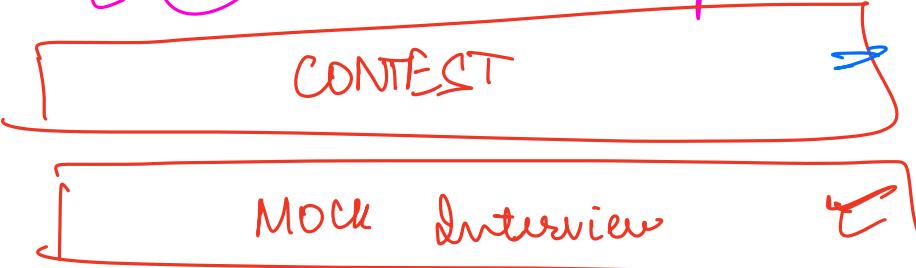


AOV
Concepts

- ⑨ Indexing
- ⑩ Transactions

Design

- ⑪ Schema Design - 1
- ⑫ Schema Design - 2



give SQL M7
before DSA

- ① Typed Notes for every class of SQL
- before a class start through typed notes of that class.
 - Revision notes for mock interview

Expectations wrt SQL

- ① Don't be too much stuck on Syntax.
Focus on concepts.
Focus on WHY v/s HOW.
→ Try things self.
- ② Don't expect Spoonfeeding.
 - a-) Art of Reading
 - b-) Art of Googling
 - c-) Art of asking helpq^{ns}

First Reading TODO

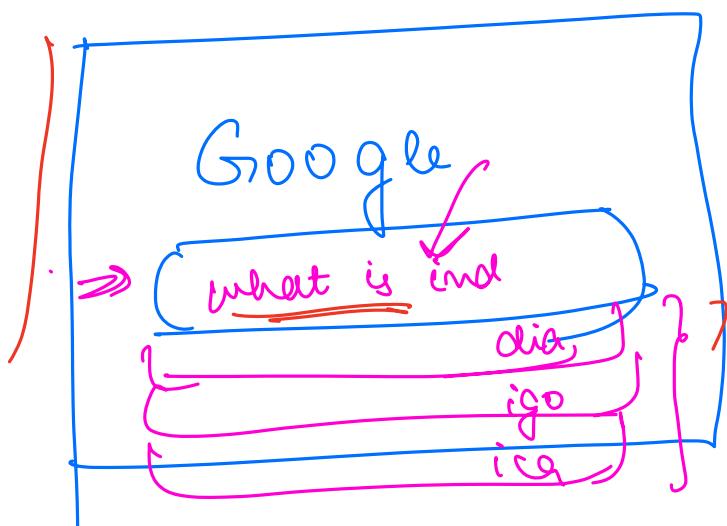
→ before your first SQL Class, install

- ① MySQL
- ② MySQL Workbench
- ③ Sakila Dataset

→ Ask help in WA Group

LCD and Projects (Break till 2:12)

- ① What market thinks is a Backend Eng v/c a Fullstack Engineer.



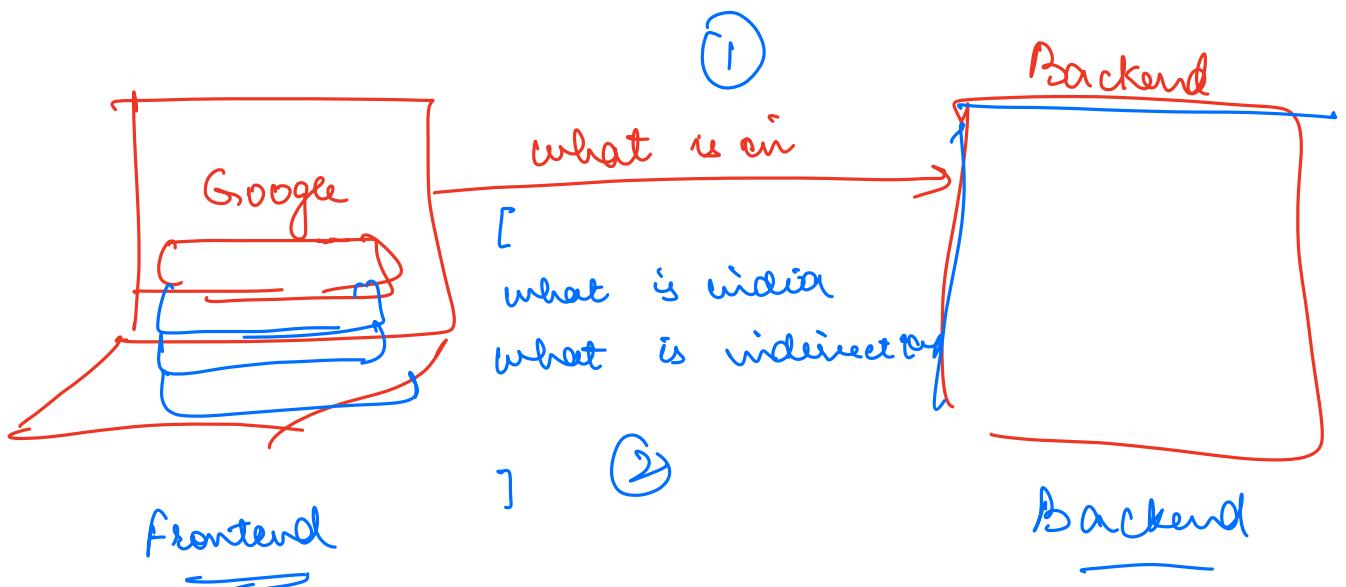
Frontend

(What a user sees

Backend

(Behind the scenes)

(Computes the data
to be sent to
frontend)



→ uses backend to
get data it needs
to display

Backend

→ making you a great backend engineer.

Fullstack

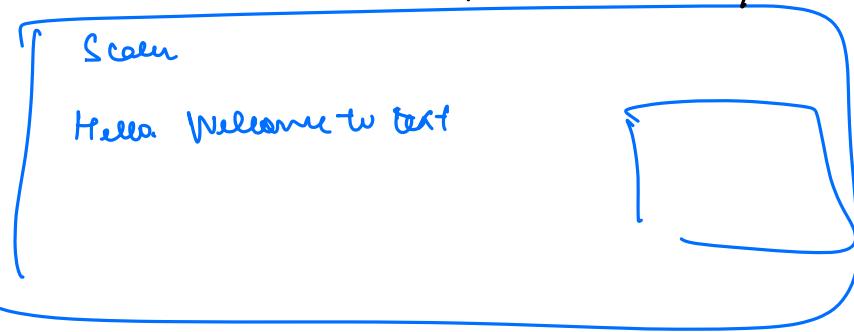
Ideal: Great ~~in Backend~~ + Great in F/E

Reality: ~~Great in B/E + Basic F/F~~

Great F/E ↗ + Basic B/E ↘

Great F/E ↗ but can also code ↘

basic B/F



⇒ Scalr course also focuses on game

B/E in 4 months

-FS in 4 months

(FS) ⇒ F/E for 75% (3 months)
B/E for 25% (1 month)

Myths about B/E and FFS

① Salary

FS → SDE I → 6 - 18 LPA
B/E → SDE I → 9 - 18 LPA

→ Don't decide based on salary

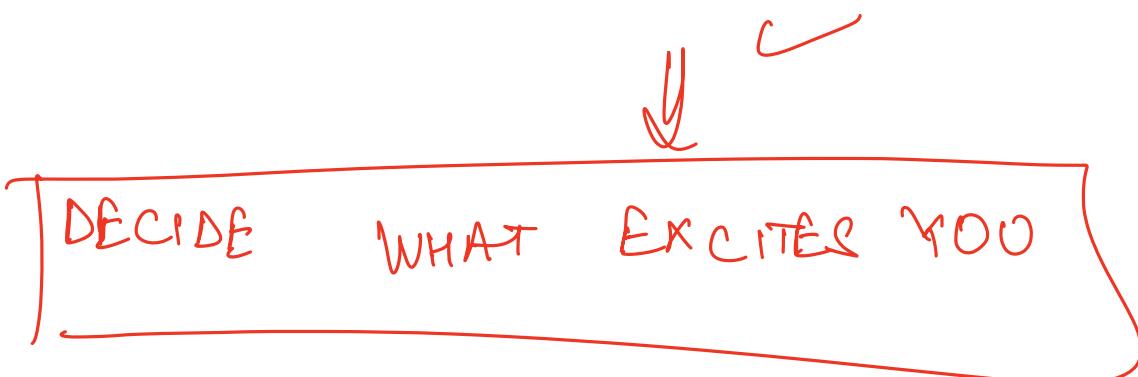
→ Decide based on what excites you more

② easy

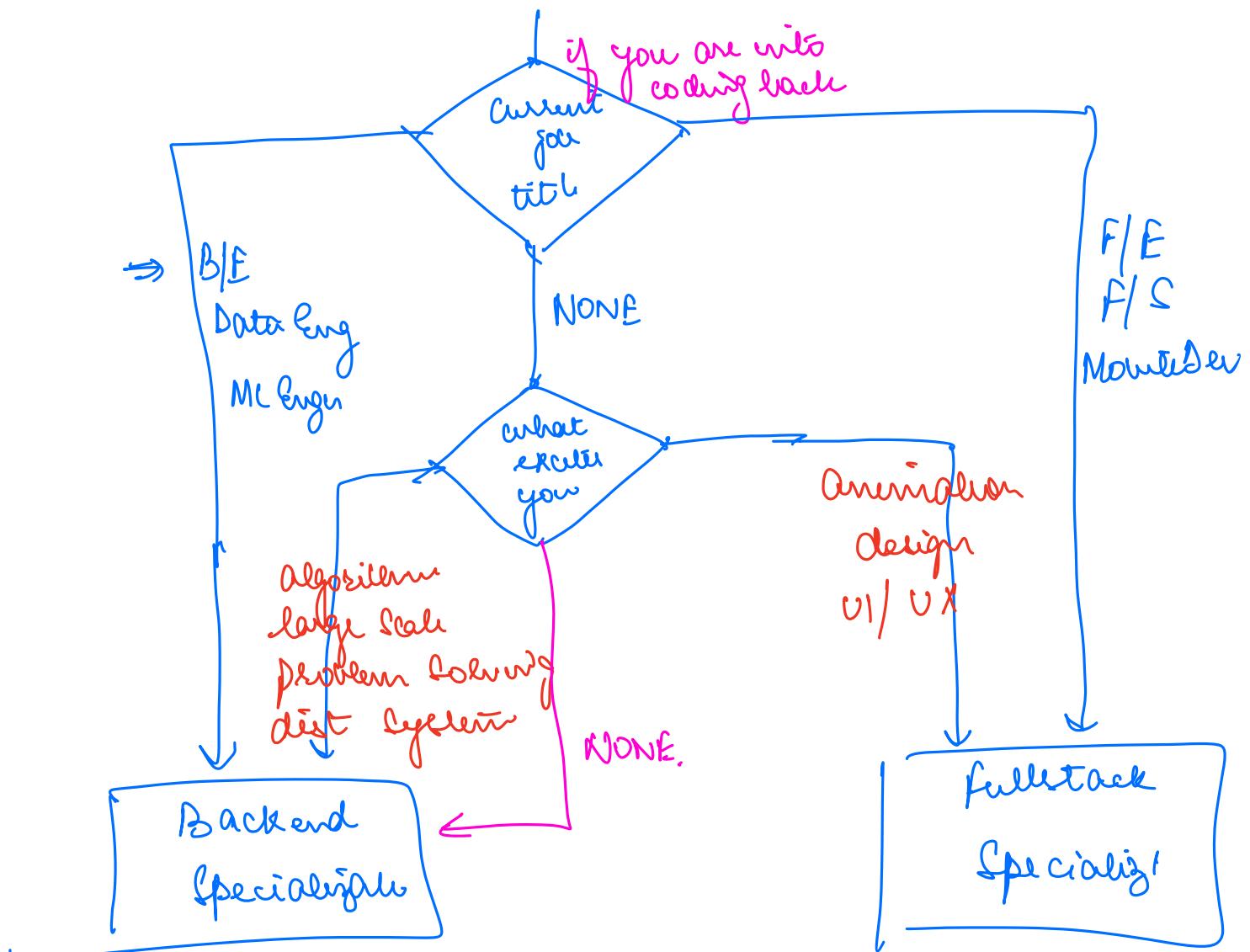
- what your natural strengths are
- what excites you will become easy for you

③ Job Opportunities

60% {
 60% → Backend
40% {
 20% → P/S
 20% → F/E



HOW TO DECIDE Backend v/s fullstack



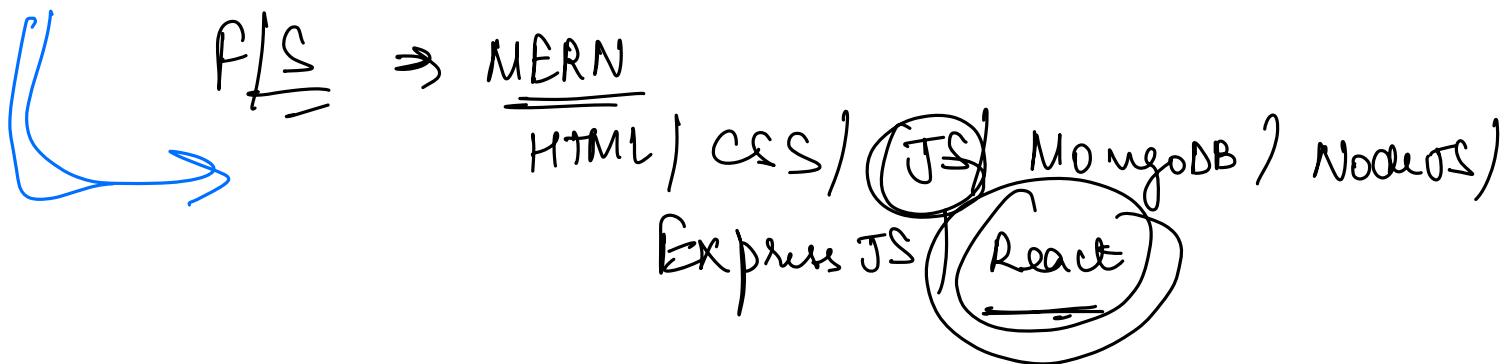
On your dashboard you will get a selector of specialization

Tell 72 hrs before your SQL

To choose specialization

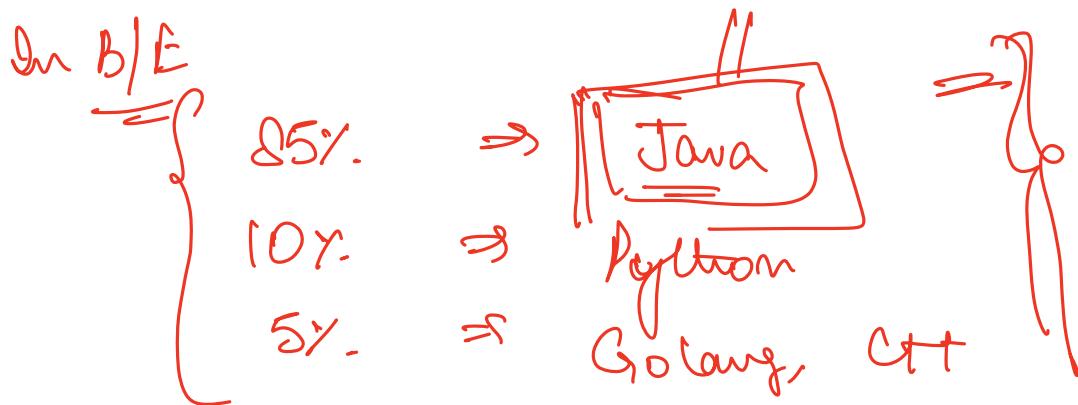
⇒ you will continue to see backend till 24 hrs before SQL

Prog Lang



B/E → Java in LIVE Classes
→ Concept across lang are
anyway same
→ only imp is diff

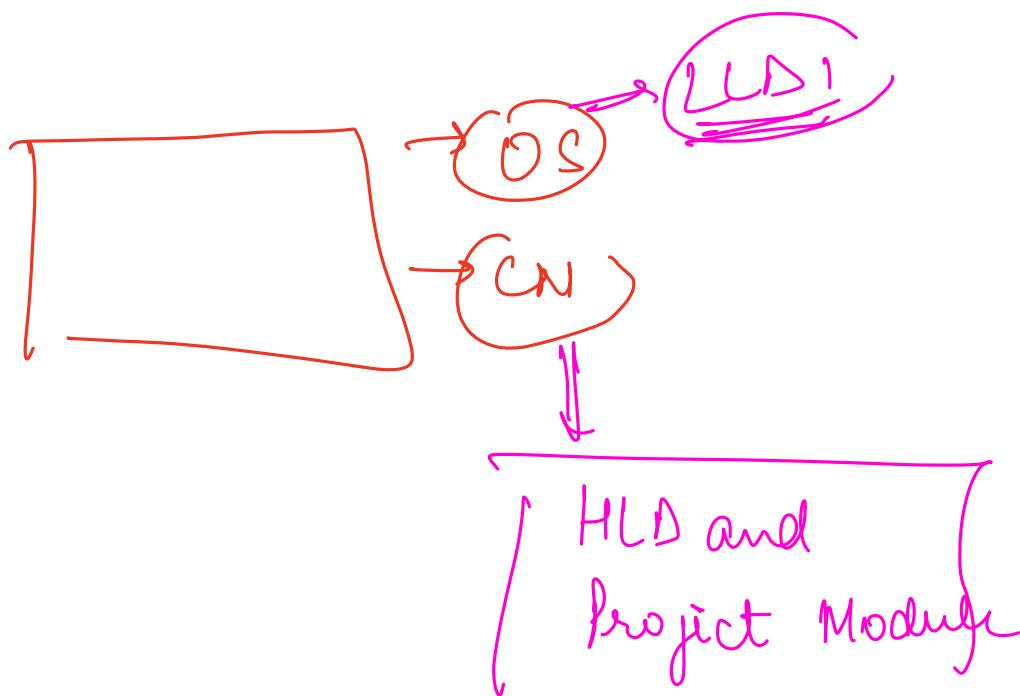
→ for Python, we have created a
15 min post class reading for
imp of those concepts in Python
(we are also creating 30 min
recorded videos associated to
every class)



Google \Rightarrow Java | C++ / GoLang

Dashboard \rightarrow Request Recording \rightarrow Beginner
Lang \Rightarrow Java

CS Funda



TO DOs

- ① Join WApp Group
- ② Fill Home geneby Survey
- ③ Choose Specialization
- ④ Install:
 - MySQL WorkBench
 - MySQL 8
 - Sakila Dataset
- ⑤ Read FAQ DOC

Type

- ① Read SQL Typed Notes before SQL Class
- ② Give SQL Mock Interview

Placements

- ① Don't expect job opportunities light away
- ② Scaler will refer you to companies that require skills you have completed MI of.
- ③ Most jobs ~~require~~
| DSA + SQL + Lang
| CCD-T