① Whatapp group Link.

② Homogeneity
  ↳ To ensure every learner in a Class is
     of almost similar background.

Homogeneity Survey. form.
  ↳ 12-15 Yes/No questions
                ⇓
         Based on the responses
         in homogeneity form

Beginner.   Int | Advanced.

⇒
① No difference in the Beginner (vs) I/A
   curriculum.

② No different Instructors.

③ Duration is also same.

By the end of curriculum, Both
the type of learners will have
same learning outcomes.

⟹ Homogeneity form : Deadline. 14th April.

#

Scaler Curriculum after DSA.

beginner

DSA
↓
SQL [1 month]
│
├──────────────────────┐
↓   ↓
Backend   **fullStack**
↓   ↓
① [Project-1]   ┌──────────┐
↓   │ LLD &   │
② [LLD-1]   │ Project │
↓   └──────────┘
③ [LLD]
↓
④ ⑤ [Adv S/w Eng Project]
↓

///////////////////////////

┌──────────┐
│   HLD   │
└──────────┘
↓

Elective
┌─────────────────────────────────┐
│ (Data Eng) + (Product Manager) + (CP) │
└─────────────────────────────────┘

Int/Adv

DSA
↓
SQL [1 month]
│
├──────────────────────────┐
↓   ↓
Backend   **fullStack** (FE+BE)
↓   ↓
┌──────────┐   ┌──────────────┐
│ DORS   │   │ HTML | CSS   │
│ ↓   │   │ ↓   │
│ Adv Lang.│   │ JS | LLD   │
│ ↓   │   │ ↓   │
│ DP | DS │   │ React | Mozo.│
└──────────┘   └──────────────┘
        └──────────┬──────────┘
                   ↓
        ┌────────────────────────┐
        │ HLD | System Design   │
        └────────────────────────┘

////////////////////////////

┌──────────┐   ┌──────────┐
│ Project │   │ Project │
└──────────┘   └──────────┘

Elective
┌─────────────────────────────────┐
│ (Data Eng) + (Product Manager) + (CP) │
└─────────────────────────────────┘

⇒ Either one of backend (or) fullstack Live.

⇒ You can ask the (recording) of other stack from us.

Lecture Recordings
+
Assignments
+
Content

⇒ Why SQL curriculum at Scaler ?

(15./.) → 12-13 Classes.
+
Content
+
SQL Mock Interview

SQL curriculum at Scaler.

Based on interview experiences
+
Day to Day job.

① How Database works _internally_ ?

    └→ How SQL query works internally ?

    └→ How Indexing works ?

② SQL Queries. ⇒ 100% depth.

③ Database Design ⇒ 100%

    └→ Schema Design.

④ Other type of databases.

    ├→ NOSQL
    ├→ Cassandra | Redis | ES
    ├→ Sharding
    └→ Master-Slave Architecture

                           } HLD. (System Design)

Classes in SQL curriculum :

SQL 1: Intro to DBMS and Relational Model
SQL 2: Keys
SQL 3: CRUD - 1
SQL 4: CRUD - 2
SQL 6: Joins - 2
SQL 7: Aggregate Queries
SQL 8: Subqueries and Views
SQL 9: Indexing
SQL 10: Transactions
SQL 12: Schema Design 1
SQL 13: Schema Design 2

→ Expectation Setting

Please don't expect us to Spoonfeed everything.

⤷ Build a habit of

1) googling

2) Reading documentations

3) Debugging.

Curriculum after SQL.

```
                    |
        ┌───────────┴───────────────┐
        ↓                           ↓
     Backend                     fullstack

                              (frontend + backend)
                                      ⇓
                              ┌──────────────────┐
                              │ Create FE + Basic │
                              │            BE.     │
                              └──────────────────┘
```
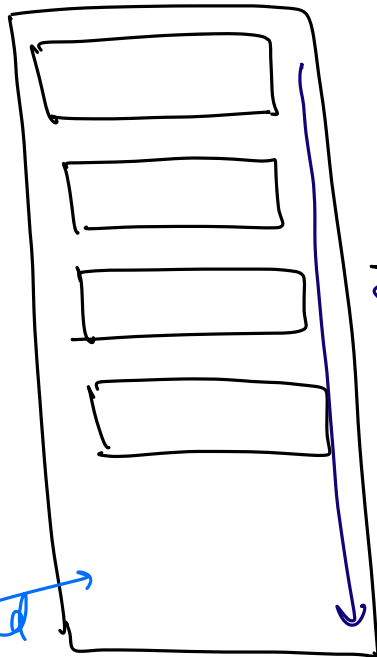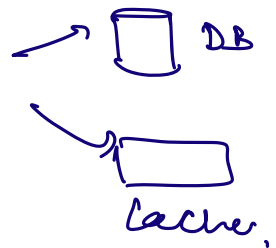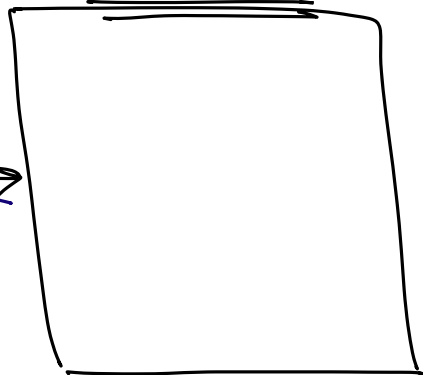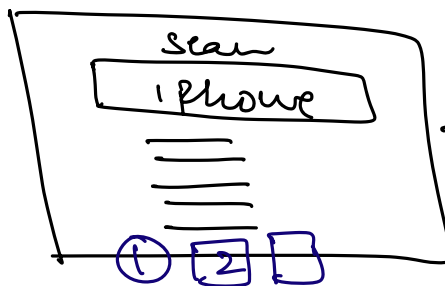
facebook.

Rajan.

frontend

Backend.

DB

Cache.

amazon

Scan

iphone

① ② ▢

frontend.

$\rightarrow$ HTML | CSS | JS ---

Backend.

$\rightarrow$ JAVA
Python
JS
Golang
ROR

$\Rightarrow$ JAVA + SpringBoot.

$\Rightarrow$ Python.

\# Myth

\# No. of job opportunities.

~60% BE.

| 20 FE |
| 20 FS. |

How to Choose BE vs FS.

Current Job ?

BE|
DE|
ML|
DEVOPS

JS | HTML |
CSS| Node
— · ··
frontend

Don't know?

NONE

Interest?

good
Animation
UI/UX

good Problem
Solver

Backend

frontend