

Agenda

Change
the
Schema
DDL

- Group by & Having clause ✓
- Decimal datatype ✓
- Alter command ✓
- Data Analysis ✓
- Leetcode Question *
- Min & Max, Count ✓
- Sum & Avg ✓
- Logical Operators ✓

Timestamp
now()

Interview

AND,
OR,
NOT

Source of joining

BETWEEN

- LinkedIn →
- Youtube →
- Community →
- Ads →

Employee

Learners

Courses

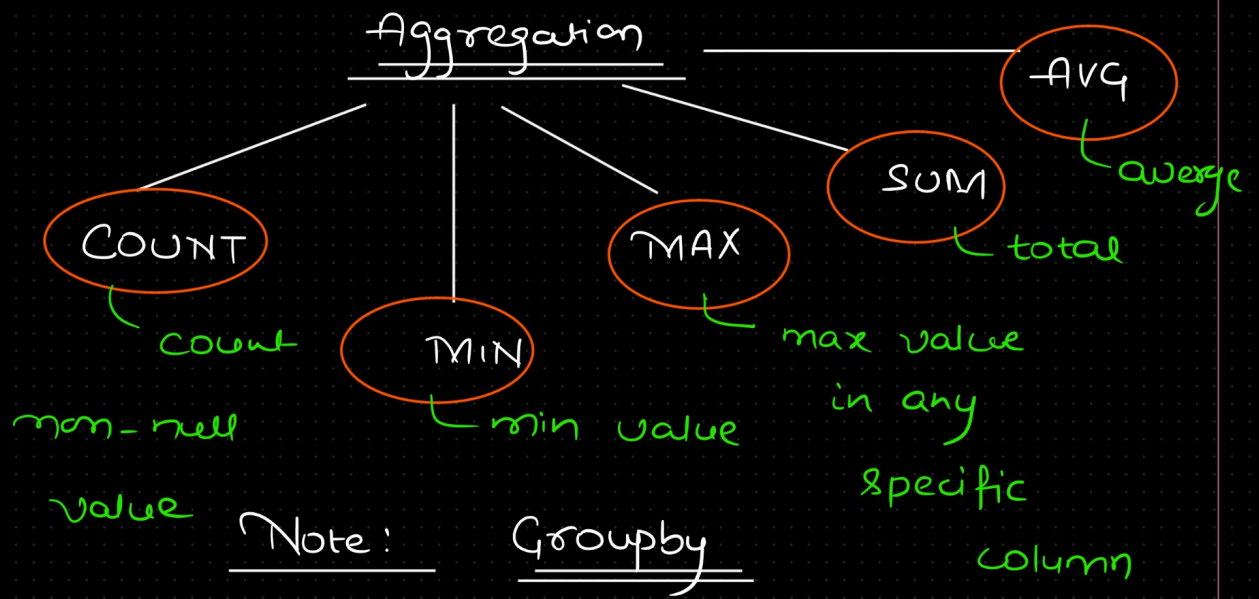
→ CRUD Operations

→ Data types { Int
— varchar
{ timestamp

→ Constraints { Autoincrement
— Not Null
{ { Primary Key
unique Key
foreign Key

→ clauses { Count(*)
— Order By
{ Wildcard characters LIKE
DISTINCT
LIMIT

→ DDL vs DML (DROP vs DELETE)
(ALTER vs UPDATE)



① After select Command

→ non aggregated column

→ Group by non aggregated column

② Aggregated column — count, min, max, sum, avg
→ Select Command

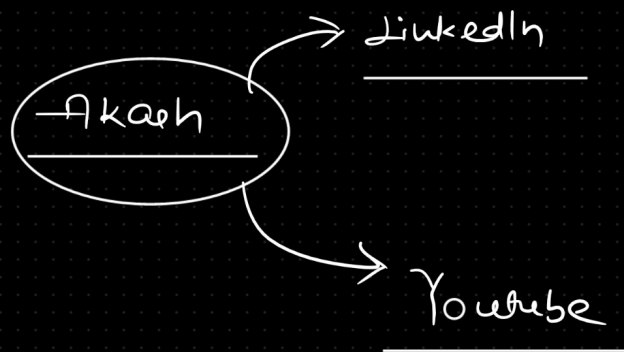
{ SELECT SourceOfJoining, COUNT(*) as num_of_students
 FROM learners
 GROUP BY SourceOfJoining

→ unique values

num_of_students
LinkedIn → 2 ✓
Youtube → 2 ✓
Community → 2 ✓

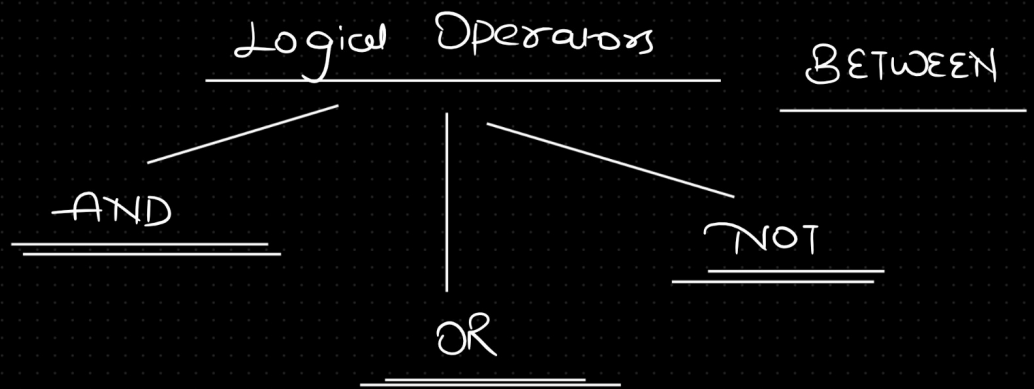
Order of Execution

FROM → SELECT → GroupBy → count



SELECT SourceOfJoining, COUNT(*) AS num_of_students Aggregation
 FROM learners
 GROUP BY SourceOfJoining
HAVING num_of_students > 1; Filter

{ Never use WHERE clause
after GROUP BY for the
filteration



max/atmost
(↗ scale)
DECIMAL(3, 1)
(precision)

{ 3.5
 12.5