Day 9

SQL

→ **Fundamentals of Database**

→ RDBMS
  MYSQL
→ NOSQL
  MongoDB
  Casandra
→ CRUD
  GraphDB
  HDFS

→ **Data types & Constraints**
  Primary Key,
  Not Null,
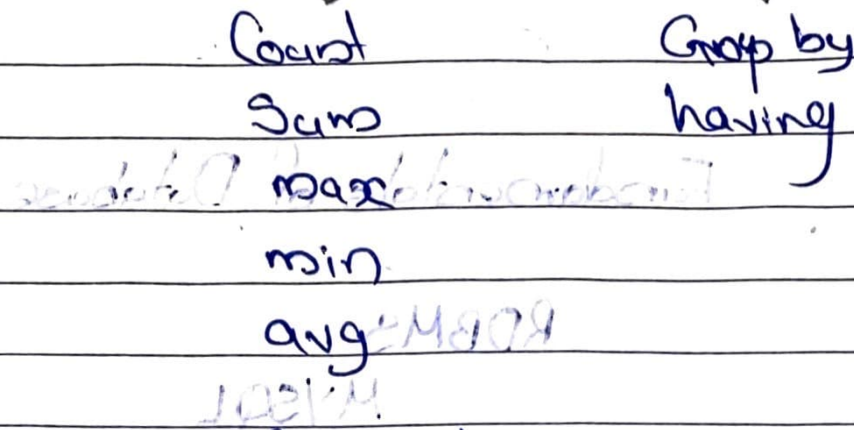 Unique Key,
  Foreign Key

→ **Schema of table**

DDL	DML
Create	Update
Alter	Delete
	Insert

→ **WHERE** (Filteration)

→ Aggregation & Grouping

Count   Group by
Sums   having
max
min
avg

→ Order of Execution

Joins
Inner
Left
Right
Self
Cross
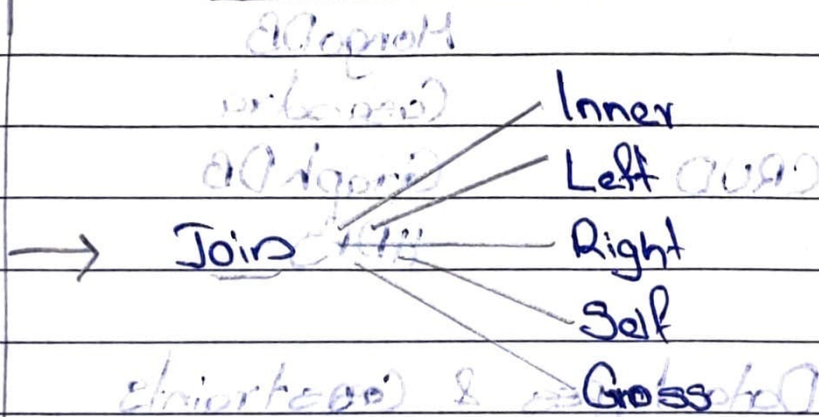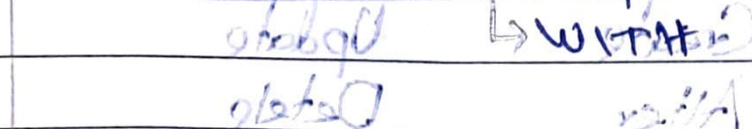
→ Window Functions
→ OVER()
→ PARTITION BY
→ RANK vs DENSE RANK vs ROW NUMBER

→ Case statements vs Case expression

→ Common Table Expression
→ WITH()
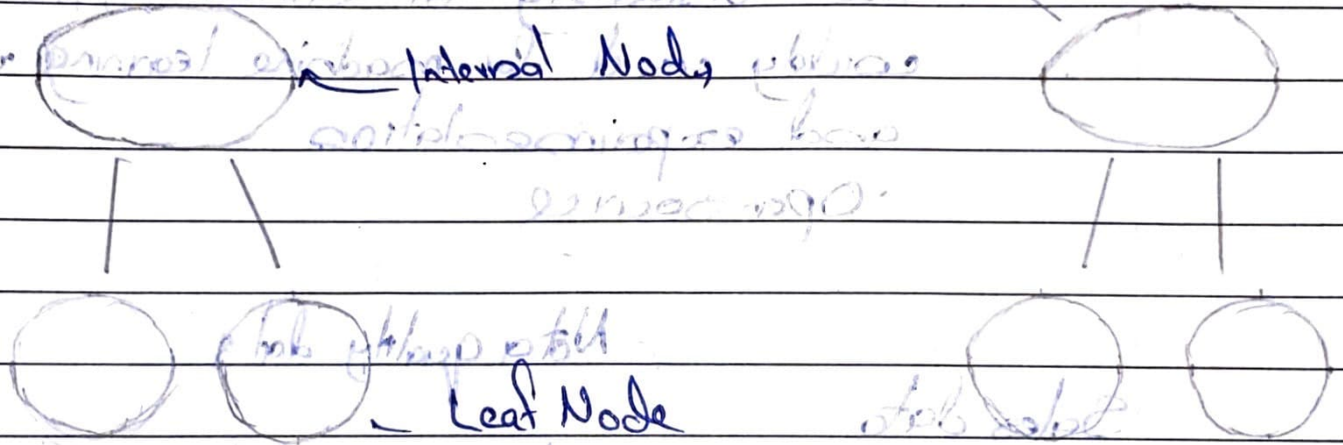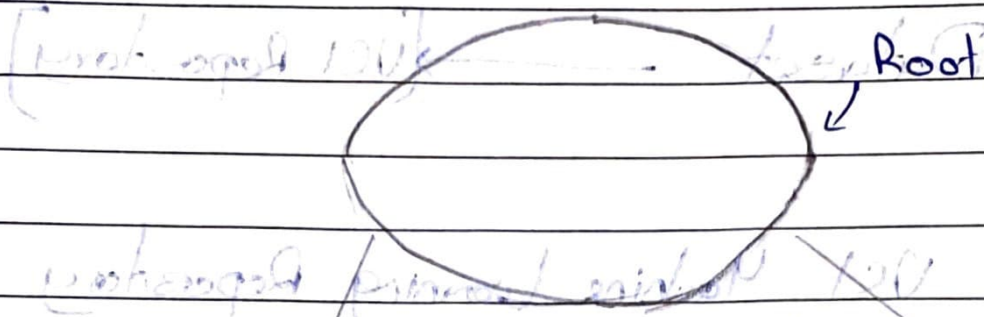
→ Interview Questions.

n-ary tree

Root

Internal Node

Leaf Node

Tree Data structure
(Binary)

B-Tree &
B+ Tree

- File indexing