Intro to

Databases and SQL

\* and BigQuery

In This session:

We will begin from scratch

"Vocabulary" -> Database MgmT

# By The end of this session,
you will be familiar with

- (i) Data
- 1 Database
- 3 Database Management System
- (4) Structured us Unstructured data
- 3 SQL
- 6 Dota Types
- (7) Keys
- 8 Data Warehouse & BigQuery

CHAR VS VARCHAR

\* Topics highlighted in Red Will be discussed in Session - 2 # How to make best use of this module

Why! - Analyse Data

- To design programs
that analyse data

What?

Knowledge

Skill -> Application

Predictability / Repetition
in Outcomer

How? Backlogs !!! # Overview of DA track SC DA

Data Scientist Data Analyst

# What is a Database

Data -> Raw pieces of Information

CCTV - lots & lots of visual data

Text, Audio, Signals

Structured data - Easy & Quick to store & Access data

Unstructured data -

Database: A collection of related data

stored on computing systems

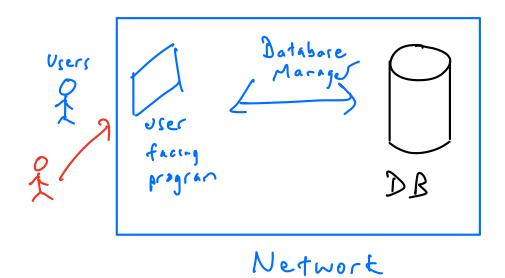
Ly it should be easy & fast

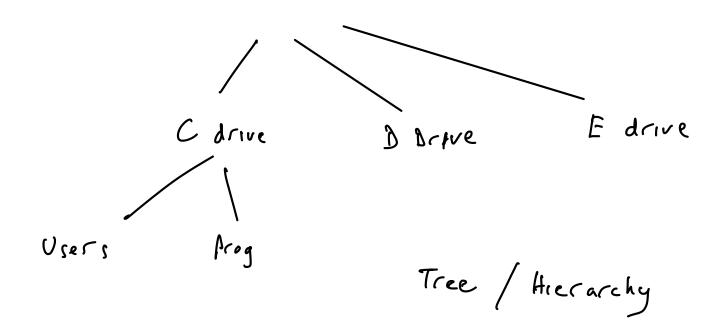
to store & retrieve data

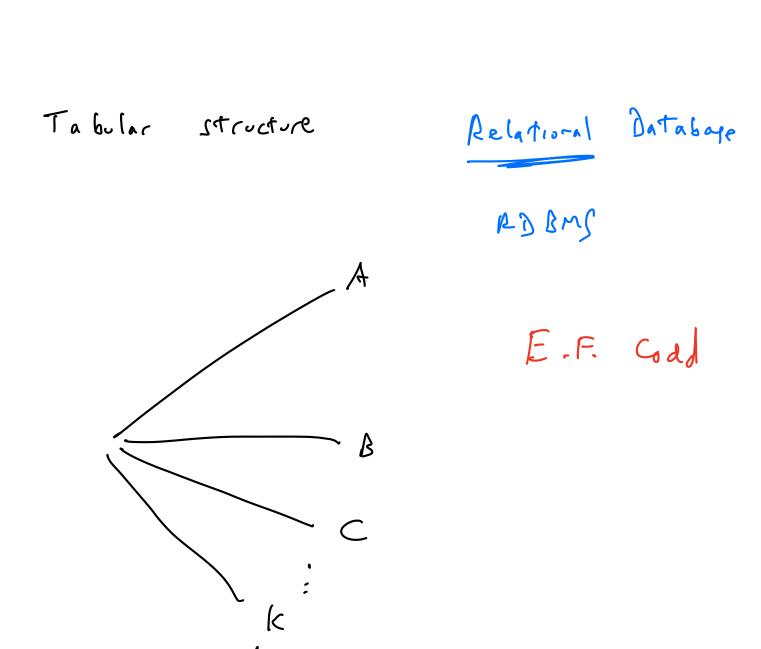
## Spreadsheet us DBMS

- 1) Scalability
- 1) Performance
- 3 Data Integrity
- 6 Concurrent access
- (S) Security









Examples of DBMS.

(Structured Data)

(Unstructured Data)

SQL Based

NoSQL Based

Oracle Database

MongoDB

Microsoft SQL Server

Cassandra

My SQL K on Scaler Dashboard

SQL > Structured Query Language

Big Query - hoogle

# Relational DBMS

# Datatypes

(i) Text data

"Good Morning"

"5k"

"5300"

String data type

hood Morning

1 5k 1

5300

