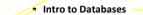
Agenda



- Relational Databases vs Non-Relational Databases
- DB vs DBMS vs SQL
- SQL vs NoSQL
- Database Design

-) MyS9l -> moregodlo }

a what are Databak.

A -) Délaber is any logically madeled collection of information.

Data -> facts or Piece of information collection of date.

File System -> Com store like tent, pdf, audio ?
video, images etc.

Tent) (a) Structed & (b) Unstructed

Structed => eg Perords of Student in a

Std_id E Std_name Std_Address (

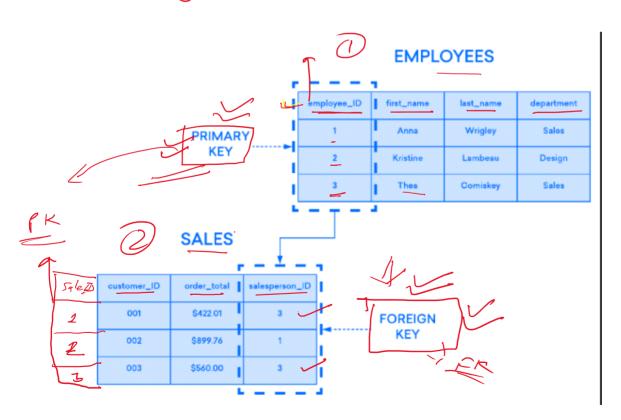
Roud

	CSU, Exal, Syl	
(F) U	Instructured	
-)	Paragraph = g pdf,	Dock, taul ele
DB	MS	RDBMS
Date	abase Management systems	
11 1 in	vay te manage huge records. sa software system that is derigned organize date in a structure	ned to maner. "
1.	features DBMS -> Data modeling -> Data storage la retrieval -> Concurrence -> Concurrence -> Backup la recovery	



RDBMS - Deta is organized in the form
of tables & each table has a set of
rows & Colums.

-> The data are related to each other through Primary & foreigh keys.



2

My SQL -

MS SQL Server —

Postgre SQ —

L(SQLite)

MOSAL or Mon-Relational Detabase

Documets, graphs.

* those are derigned to handle large-scale high - Performance scenerios.

(a) ky-value Database

ey Pedis 5 ky: valuer 7

Document-oriented database

Mongodb & Key: Documents?

SQL 4 HOSQL

SOL - Stouctured Query laughage

SOL -> Stoructured Query larghage	L.
-s It is a domain-specific programu	
language.	~~1

-) commonly used for tapks such as inserting updating, quering & deleting data within a database.

SQL u also und te create l'modify data base schemers.

Detabur Derign - DBMS

- Determine the goal of your database.
- 2) List down the entities.
- 3) Organize information into different tables