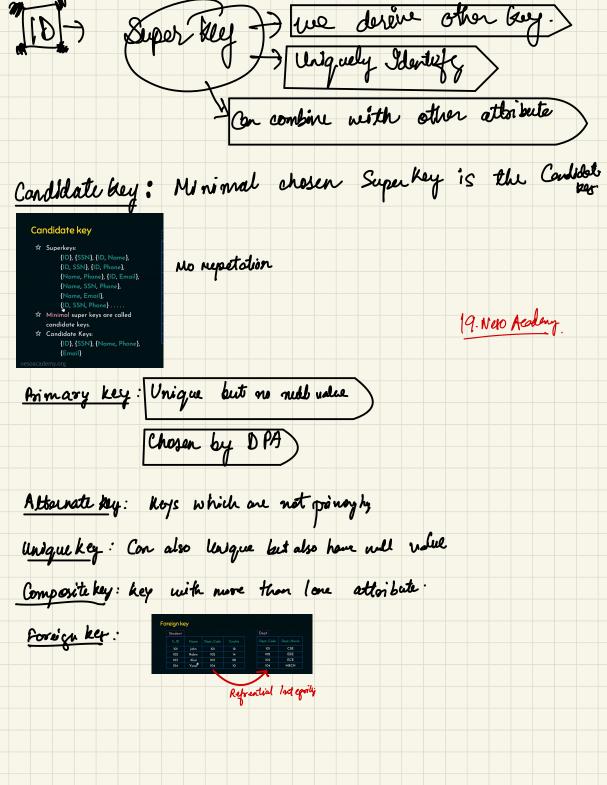


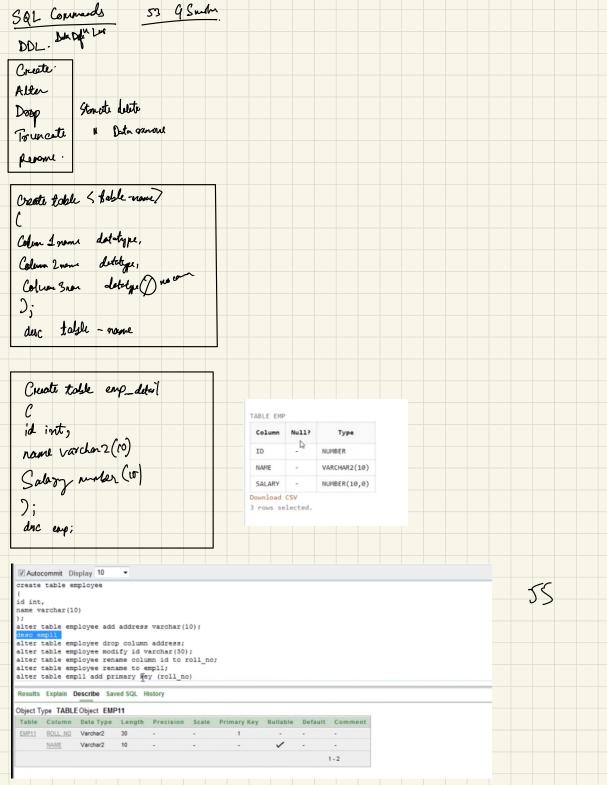
Difference between file system and dbms(DBMS vs file system)

Concurrent

Crash Recovery

File system is a collection of data. Any management with the file system, user has to write the procedures.	DBMS is a collection of data and user is not require
	to write the procedures for managing the database
File system gives the details of the data representation and Storage of data.	DBMS provides an abstract view of data that hides the details.
In File system storing and retrieving of data cannot be done efficiently.	DBMS is efficient to use since there are wide varieties of sophisticated techniques to store and retrieve the data.
Concurrent access to the data in the file system has many problems like: Reading the file while other form olocking. deleting some information, updating some information	f DBMS takes care of Concurrent access using some form of locking.
File system doesn't provide crash recovery mechanism. Eg. While we are entering some data into the file if System crashes then content of the file is lost	DBMS has crash recovery mechanism, DBMS protects user from the effects of system failures.
Protecting a file under file system is very difficult.	DBMS has a good protection mechanism.





Vata Vs Dotabase Text, img, video Collection of dates which is related Data wavehouse Multimedia Databose GIS, Realtime Databotes Define, Construct and manipulate High level View Relational Representational or implementation d h or prycical datamodel

ER Model (Entity Relation Model) (Entity) -> Thing --> Person Attribute -> Properties -> name, age Relationly > association -> works for PERSON (Age, Name, add) -> (26) Raja, ...) Existy type energy

State of Jalabase de la Composite ne Sir mple attribute FN MW LN (FN) (LN)

Single valued us Multivalued.

all hi bute doi ved Stood us attribute Complex composite + multivaluel. Seportment Works for Employee works of Departhost Employee entity woodsfor (o, n) employee (quin max)

Every dept should have a manager and only one employee manages a dept and an employee con marager only one dept. Dept manges (0,1) fast rule that every employee Those is no hard 7. Should many a legt.