LECTURE: "Gadde Sandeep"

structured query language (sql): sqL is structured

query larguage which speaks with Dota base management system (DBMS). It is used in programming and designed for managing data held in Relational Pata Base Management system (RDBM3). 'SQL' is entegouized into two types

Ser Decre 198. Relational Data 13ase Non Relational Data Base Management system Management system. some of the platifierns which are used to get 2 manages data are: SQL seever Express Mongo DB cassandia MysqL solas fol addison Redis Microsoft SQL server Apache H Base sqLite MariaDB Jul IBMDB2-dolate to

Why SQL?

spi is rued to manage, manipulate, modify, define and control the data in data base manage ment, system. SQL is sub-languages are categorized into four types:

- 1) DDL Pata definition Language
 - 2) DQL Data Query Language
 - 3) DML Data manipulation language
 - 4) DCL Data control language.

Note: All the above larguages deals with tables which has nows and columns.

DDL (Rata definition Language): It is used to modify as weater the database tables ethertures. It deals with variables I feather of table. DDL consists SQL commands to define database schema.

schema: collection of clotabases is called schema

Edit Schema: Schema:

has batabases in olas of stationers (21) Amazon database

- 2) flip bout detabase
- a) covid database

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Commands:

-- CREATE: It is used to create the objects like tables, function etc.,

-- DROP: It is used to drop the or delete the feautue from table.

-- ALTER: It is used to change the constraints and features of table

-- RENAME: It is used to sename the object existing in the database.

In the database.

THATA --

DQL (Data Query Languag): It is used to active relational database from schema, when query is passed into the database (table/object) it go calls the specific data. works tappe courses of source and columns

Commands :is used to retrive data from database -- SELECT :

DML (Data Manipulating Language): It is used to manipulate the data in the database and perform some of the mathematical operations on the objects features. SQL commands in DML ares

It is need to insent / put data into the -- INSERT :

-- UPDATE: It is need to update ensisting data within a table

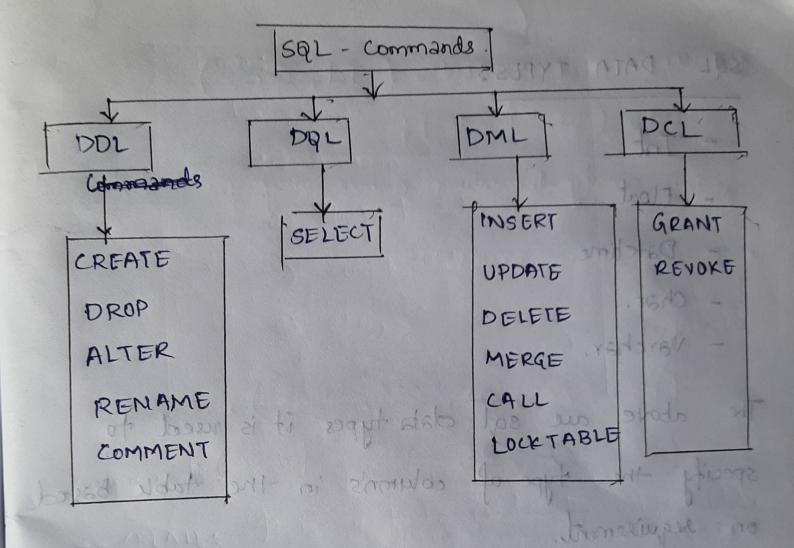
-- DELETE: It is need to delete records from a database table.

DCL (Data control Language): It is well runeally deals with access, permission's, rights to the mer and con other controls of the database. commands: of lossy of the : amanag --

-- GRANT: gives user's access privilages to the andre of how database (pauponed praup dech) 100

-- RENOKE: withdraw the user's access puringes

Note: tables consists of 2010s and columns seletet mis dalso called object



client is the user who requests data the database. seever consists of huge data -base and provides the data to the clients (using)

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