SQL COMMANDS

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SQL Commands:

- •SQL commands are instructions. It is used to communicate with the database. It is also used to perform specific tasks, functions and queries of data.
- add data to tables, drop the table, modify the table. Set permission for users.

There are five types of SQL commands:

	SQL	_ Comma	nd @the	1116-Ruimmorborch
DDL Create Drop Alter Truncate	DML Insert Update Delete	DCL Grant Revoke	Commit Rollback Save Poir	

1. Data Defination Language (DDL)

- a table deleting a table, altering a table , etc
- . All the commands of DDL are auto-committed

that means it permanently save all the changes in the database

Here are some commands that come under DDL:

· CREATE

·ALTER

· DROP

· TRUNCATE

a. CREATE:-

It is used to create a new table in the database Syntax: -

CREATE TABLE_NAME CCOLUMN_NAME DATATYPE)
Example:-

CREATE TABLE EMPLOYEE (Name VARCHAR2 (20), Emoil V

b. DROP :-

It is used to delete both the structure and record stored in the table

Syntax:-

DROP TABLE table-name;

Example:
DROP TABLE EMPLOYEE;

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C. ALTER: - It is used to alter the structure of the database. This could be either to modify the characteristics of an existing attribute or probably to add a new attribute.

Example:

ALTER TABLE STU-DETAILS ADD (ADDRESS VARCHAR 2 (20));
ALTER TABLE STU-DETAILS MODIFY (NAME VARCHAR 2 (20));

d. TRUNCATE :-

It is used to delete all the rows from the table and free the space containing the table.

Syntax:-

TRUNCATE TABLE table-hame.

Example:-

TRUNICIATE TABLE EMPLOYEE; @the-programming-girl

2. DATIT Manipulation Language:

DML commands are used to modify the database It is responsible for all form of changes in the database. The command of DML is not auto-committed · INSERT 3 TAC9U. OELETE

a. INSERT:

The INSERT statement is SQL Query. It is used to insert data into the row of a table.

Syntax:-

INSERT INTO TABLE_NAME VALUES CValue 1, Value 2, value 3 --- value N1):

b. UPPATE !-

This command is used to update or modify the value of a column in the table.

Syntax: -

UPDIATE table-name SET [column-name 1 = value 1, .. coly

C. DELETE: - It is used to remove one or more row from atable.

Example:-

DELETE From javationint

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WHERE Author = "Sunoo"

3. Data Control Language

DCL commands are used to grant and revoke authority from any dotabose user.

oGrant

· Revoke

a. Grant :-

It is used to give user acess privileges to dotabase Example:

Grant SPLECT, UPDATE ON MY_TABLE TO SOME_USER, A

b. Revoke:-

It is used to take back permissions from the user

4. Transaction Control Language :-

TCL commands can only use with DML commands like INSERT, DELETE and UPDIATE only.

· COMMIT • ROLL BACK · SAVE POINT

a. Commit:

Commit command is used to save all transaction to the database.

Example:-

DELETE From CUS TOMERS

WHERE AGE =25;

Commit.

Rollback: - Rollback command is used to undo transactions that have not already been saved to the database.

Syntax:-ROLLBACK

C. SQUEPOINT: -

It is used to roll the transaction back to a certain point without rolling back entire transaction.

Syntax:-

SPAVE POINT SAVEPOINT - NAME

DATA QUERY LANGUAGE:-DOL is used to selch the data from the database.

OSFLECT

a. SELECT: This is same as the projection operation of relational algebra. It is used to select the attribute based on the condition

Syntax: SELECT expressions

From TABLES

WHERE conditions:

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Source - Javat point.