DDL COMMANDS

DEFINITION:

DDL(Data Definition language) commands in SQL are used to define and manage the structure of a database,including creating,altering,and dropping database objects such as tables, indexes,and views.Here are some common DDL commands with examples:

**1)CREATE TABLE:**

This command is used to create a new table in a database.

**Ex:**

**Create table employees (**

**employee\_id int primary key,**

**first\_name varchar(50),**

**last\_name varchar(50),**

**hire\_date date);**

**2)ALTER TABLE:**

This command is used to modify an existing table,such as adding or dropping columns.

**EX:**

**ALTER TABLE employees ADD COLUMN email varchar(100);**

**ALTER TABLE employees DROP COLUMN hire\_date;**

**3)DROP TABLE:**

This command is used to delete a table and all its data from the database.

**EX:**

**DROP TABLE employees;**

**4)CREATE INDEX:**

This command is used to create an index on one or more columns in a table to improve query performance.

**EX:**

**CTEATE INDEX idx\_employee\_id ON employees(employee\_id);**

**5)DROP INDEX:**

This command is used to remove an existing index from a table.

**EX:**

**DROP INDEX idx\_employee\_id;**

**6)CREATE VIEW:**

This command is used to create a virtual table that is based on the result of a SELECT query.views provide a way to simplify complex queries.

**EX:**

**CREATE VIEW employee\_view AS SELECT first\_name,last\_name,email FROM employees;**

**7)DROP VIEW:**

This command is used to delete a view from the database.

**EX:**

**DROP VIEW employee\_view:**

**8)CREATE DATABASE:**

This command is used to create a new database.

**EX:**

**CREATE DATABASE mydatabase;**

**9)DROP DATABASE:**

This command is used to delete a database and all its associated objects.

**EX:**

**DROP DATABASE mydatabase;**

**10)CREATE SCHEMA:**

This command is used to create a new schema within a database.

**EX:**

**CREATE SCHEMA myschema;**

**11)DROP SCHEMA:**

This command is used to delete a schema and all its objects.

**EX:**

**DROP SCHEMA myschema;**

**These are some of the basic DDL commands in SQL,and they can vary slightly depending on the specific database management system you are using(ex: MYSQL,PostgreSQL,Oracle,SQL server.**