**Create a Database:**

• CREATE DATABASE database\_name;

**Create a table:**

• CREATE TABLE table\_name

**Add data to table**

• INSERT INTO table\_name (column\_one, coumn\_two,....) VALUES (value1, value2 .....)

**Update data**

• UPDATE table\_name SET coumn name = 'etc' WHERE ID = 02;

**DELETE data**

• DELETE table\_name WHERE ID = 03;

**----------------------------------------------------------------------------**

**--> Data Definition Language (DDL)**

**delete a database or a table**

• DROP TABLE table\_name;

**add a column into a table:**

• ALTER TABLE table\_name ADD (column\_name datatype(size));

**add a primary key to a table:**

• ALTER TABLE table\_name ADD primary key (column\_name);

**remove all records from a table**

• TRUNCATE TABLE table\_name;

**Syntax to COMMENT a line in SQL:**

• --Retrieve all data from a table

SELECT \* FROM table\_name;

**-----------------------------------------------------------------------------**

**--> Data Manipulation Language (DML)**

**SELECT Command**

• SELECT \* FROM table\_name;

**INSERT Command**

• INSERT INTO table\_name (column1, column2, column3) VALUES (value1, value2, value3);

**UPDATE Command**

• UPDATE table\_name SET column1 = value1, column2 = value2 WHERE condition;

**DELETE Command**

• DELETE FROM table\_name WHERE condition;

**-----------------------------------------------------------------------------**

**--> Data Control Language (DCL)**

• **GRANT** Command to provide the user of the database with the privileges required to allow users to access and manipulate the database.

• **REVOKE** Command to remove permissions from any user.

**-----------------------------------------------------------------------------**

**--> Transaction Control Language (TCL)**

• **COMMIT** Command to save all the work you have already done in the database.

• **ROLLBACK** Command to restore a database to the last committed state.

**-----------------------------------------------------------------------------**

**Constraints:**

**NOT Null** :- to prevent from going next

**Default** :- if no value inserted then table will insert deaflut value in it

**-----------------------------------------------------------------------------**

• ALTER TABLE table\_name DROP (coumn\_name);

• ALTER TABLE table\_name MODIFY coumn\_name VARHCAR (100);

**Add mulitple rows**

• INSERT INTO table\_name (coumn1\_name, coumn2\_name, column3\_name) VALUES

( value1, value2, value3),

( value1, value2, value3),

( value1, value2, value3);

**INSERT INTO SELECT statement**

• INSERT INTO table\_name (coumn\_name)

SELECT column\_name FROM source\_table;