**what is SQL ?**

SQL is stands for structured query language

SQL is used to create database | table structure

SQL is a case in-sensitive language

Ex: INSERT , insert

SQL is create some command or query to make database or table structured.

**Types of SQL query**

a) DDL (data definition language)

b) DML (data manipulation language)

c) DQL (data query language)

d) TCL (Transactional control language)

**DDL(data definition language) :** create a database and table structures

Ex: a) create

b) alter

c) rename

d) change

e) drop

f) truncate

**a) how to create a database**

**what is database ?**

database is where we stored something in form of tables or information i.e called database.

**syntax :** create database databasename;

examples : create database ecommerceapp;

**b) how to create a table**

**what is table ?**

tables are in form of columns and rows where we stored information’s of users

**syntax :**

create table tablename

(

Columnname datatype(size) primary key auto\_increment,

Columnname datatype(size)

);

**Examples :**

create table tbl\_user

(

userid int primary key AUTO\_INCREMENT,

username varchar(155),

password varchar(200),

photo varchar(200),

gender varchar(155),

hobby varchar(200),

phone bigint,

countryname varchar(255)

)

create table tbl\_contact

(

contactid int AUTO\_INCREMENT primary key,

name varchar(255),

fname varchar(255),

lname varchar(255),

mobile bigint,

subject varchar(255),

message text

)

**b) Alter :** alter is used to add, modify , change a column name after create a table structured.

1) alter table tbl\_contact change fname firstname varchar(255);

2) alter table tbl\_user add statename varchar(255);

3) alter table tbl\_user add cityname varchar(255);

4) alter table tbl\_user add email varchar(255) after username;

**c) change :** change is used to change any column name after create any tables.

1) alter table tbl\_contact change fname firstname varchar(255);

**d) rename :** rename is used to rename a table after create a table structured.

Examples : rename table tbl\_user to users;

rename table tbl\_country to country;

rename table tbl\_contact to contact;

**e) drop :** drop is used to drop database structured and tables structured

a) drop database databasename;

ex: drop database ecommerceapp;

b) drop table tablename;

ex: drop table country;

**f) truncate :** truncate table tablename;

truncate is used to delete data from tables after truncate we never rollback our data from tables.

Ex: truncate table contact;

**2) DML: data manipulation language:**

DML stands for data manipulation language it means how to store data, delete data and update data.

**a) insert**

**b) delete**

**c) update**

**a)** insert: how to insert data in table