**what is SQL ?**

SQL stands for structured query language

SQL is a language

SQl is a case insensitive language

Ex: INSERT , insert , Insert

SQL is used to create database | table structured

SQL is used to create database | table | delete | update information’s in database.

SQL types of command ?

1. DDL
2. DML
3. DQL
4. TCL
5. DDL : stands for data definition language

Ex: create | alter | rename | truncate | drop |change.

1. DML : stands for data manipulation language

Ex: insert | update | delete

1. DQL: stands for data query language

Ex: select

1. TCL: stands for transactional control language

Ex: commit | rollback

**DDL : a) create a database**

**Syntax :** create database databasename;

Ex: create database flipkart;

<http://localhost/phpmyadmin/>

create database flipkart\_db;

**b) create a table**

**Syntax :**

Create table tablename

(

Id int(default size) auto\_increment primary key,

Name varchar(255),

Email varchar(255),

Password varchar(255),

gender varchar(255),

hobby varchar(255),

mobile bigint,

message text

);

Ex: create TABLE users

(

userid int AUTO\_INCREMENT PRIMARY key,

name varchar(255),

password varchar(255),

firstname varchar(255),

lastname varchar(255),

gender varchar(255),

hobby varchar(255),

mobile bigint,

address text

);

create TABLE category

(

category\_id int AUTO\_INCREMENT PRIMARY key,

name varchar(255),

added\_date varchar(255)

);

create TABLE subcategory

(

subcategory\_id int AUTO\_INCREMENT PRIMARY key,

subcategoryname varchar(255),

added\_date varchar(255)

);

create TABLE products

(

product\_id int AUTO\_INCREMENT PRIMARY key,

category varchar(255),

subcategory varchar(255),

pname varchar(255),

pimage varchar(255),

price float,

qty int,

descriptions text

);

Alter : alter is used to add | modify | change column name is tables .

Ex: alter table products CHANGE descriptions product\_decriptions text;

Ex: alter table products add added\_date varchar(255);

Ex: alter table products add offer\_price float after price;

Change :

alter table products CHANGE descriptions product\_decriptions text;

Rename : rename is used to rename the table name

rename table category to flip\_category;

rename table products to flip\_products;

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create database flipkart\_db;