**Creating a database in mariadb prompt of Xampp server:**

1. Start xampp control panel and start apache and mysql servers. Minimize this window.

2. Open the windows command prompt

3. Change the directory to C:\Xampp\mysql\bin

4. Type the command mysql.exe -u root <space> ( after root leave a space for password)

5. the prompt will be changed to mariadb(none)>: This shows that no database is selected.

**Important commands related to database:**

1. Creating a database:   create database <database\_name>

MariaDB [(none)]> create database univ;

2. Viewing the existing databases: show databases;

3. To select any database: use <database\_name>

MariaDB [(none)]> use univ;

4. To display the created in the database: show tables;

**DDL**

1. **Create**
   1. Create
   2. Create table as
2. **Alter**
3. Add (single column/ multiple column)
4. Add (After)
5. Modify(single column/multiple column)
6. Drop(column)
7. Change Column Name
8. Rename table
9. **Drop**
10. Drop (single table/multiple table/ temporary table)
11. **Create**

**Syntax**

CREATE TABLE table\_name( column1 datatype [ NULL | NOT NULL ],column2 datatype [ NULL | NOT NULL ]);

**Eg**

Create table student(name varchar(20), regno integer(8), dob date);

**CREATE TABLE AS**

**Syntax**

CREATE TABLE new\_table [ AS ] SELECT expressions FROM existing\_tables [WHERE conditions];

**Eg**

Create table stud as (select \* from student);

1. **Alter**

**Add (single column)**

**syntax**

ALTER TABLE table\_name ADD new\_column\_name column\_definition [ FIRST | AFTER column\_name ];

**Eg**

Alter table student **add** age integer(3);

**Add (multiple column)**

**syntax**

ALTER TABLE table\_name ADD new\_column\_name column\_definition [ FIRST | AFTER column\_name ], ADD new\_column\_name column\_definition[ FIRST | AFTER column\_name ];

**Eg**

ALTER TABLE student ADD last\_name varchar(40) NOT NULL AFTER sid, ADD address varchar(35) NULL AFTER last\_name;

**Add using after**

**Syntax**

ALTER TABLE table\_name ADD new\_column\_name column\_definition [ FIRST | AFTER column\_name ];

**Eg**

Alter table student **add** last\_name varchar(40) NOT NULL AFTER sid;

**Modify**

**Syntax**

ALTER TABLE table\_name MODIFY column\_name column\_definition [ FIRST | AFTER column\_name ];

**Eg**

Alter table student **modify** name varchar(30);

**Drop**

**Syntax**

ALTER TABLE table\_name DROP COLUMN column\_name;

**Eg**

Alter table student **drop** age;

**Change Column Name**

**Syntax**

ALTER TABLE table\_name CHANGE COLUMN old\_name new\_name column\_definition [ FIRST | AFTER column\_name ]

**Eg**

ALTER TABLE student CHANGE COLUMN std\_id sid integer(8) NOT NULL;

**Rename table**

**Syntax**

ALTER TABLE table\_name RENAME TO new\_table\_name;

Eg

ALTER TABLE student RENAME TO stud;

1. **Drop**

**Syntax**

DROP TABLE table\_name;

**Eg**

Drop table student;

**Drop Multiple Tables**

DROP TABLE customers, suppliers;

**Drop Temporary Table**

DROP TEMPORARY TABLE IF EXISTS customers;