**MySQL**

**DATABASE**

**Database Creation:**

CREATE DATABASE {Database Name};

Ex: CREATE DATABASE coffee\_store;

**Switch Between Database:**

USE {Database Name};

Ex: USE coffee\_store;

**Deleting the Database:**

DROP {Database Name};

Ex: DROP coffee\_store;

**View Entire Available Database:**

SHOW DATABASES;

**TABLES**

**Creating a Table:**

**With Foreign Key:**

CREATE TABLE {Table Name}

(

{Column Name} {Data Type} {auto Increment} {Primary Key (OR) Foreign Key} {NULL (OR) NOT NULL},

FOREIGN KEY ({Column Name}) REFERENCES ({Parent Table Name}) ({Parent Table Primary Key Column Name})

);

Ex:

CREATE TABLE orders

(

**id** INT auto\_increment PRIMARY KEY,

**customer\_id** INT,

**product\_id** INT,

**order\_time** DATETIME,

FOREIGN KEY (**customer\_id**) REFERENCES customers(**id**),

FOREIGN KEY (**product\_id**) REFERENCES products(**id**)

);

**Without Foreign Key:**

CREATE TABLE {Table Name}

(

{Column Name} {Data Type} {auto Increment} {Primary Key (OR) Foreign Key} {NULL (OR) NOT NULL},

);

Ex:

CREATE TABLE products

(

id INT auto\_increment PRIMARY KEY,

name VARCHAR(30) NOT NULL,

price DECIMAL(3,2)

);

**Altering Table or Modifying Table:**

**Add Column in a Table:**

ALTER TABLE {Table Name}

ADD Column {Column Name} {Data Type}

Ex:

ALTER TABLE products

ADD Column origin\_country VARCHAR(30);

**Delete Column in a Table:**

ALTER TABLE {Table Name}

DROP Column {Column Name}

Ex:

ALTER TABLE products

DROP Column origin\_country;

**Modify Column in a Table:**

ALTER TABLE {Table Name}

Modify Column {Column Name}

Ex:

ALTER TABLE person

Modify Column age INT NOT NULL;

**Add Primary Key in a Table:**

ALTER TABLE {Table Name}

ADD PRIMARY KEY ({Column Name});

Ex:

ALTER TABLE products

ADD PRIMARY KEY (id);

**Deleting a Table:**

DROP TABLE {Table Name};

Ex: DROP TABLE products;