**Query to create DB**

CREATE DATABASE bigdatabootcamp;

**Query to Select Database in which you want to work**

use bigdatabootcamp;

**Query to Create Table**

CREATE Table if NOT exists Employee

(

    id int,

    name VARCHAR(50),

    State VARCHAR(50),

    city VARCHAR(50)

);

**Query To Insert Data in Table**

INSERT INTO `Employee` VALUES(1,'Sauabh','UP','Dhampur');

SELECT \* from `Employee`;

**Query To Add a column in Existing Table**

ALTER Table `Employee` ADD DOB DATE;

**Query to Modify a column in Existing Table**

ALTER TABLE `Employee` MODIFY COLUMN name VARCHAR(100);

**Query to Delete a particular column in Existing Table**

ALTER Table `Employee` DROP COLUMN city;

**Query to Rename a particular column in Existing Table**

ALTER Table `Employee` RENAME COLUMN name to full\_name;

**Query to Add integrity Constraint to a particular column in Existing Table**

ALTER Table `Employee` ADD constraint id\_unique UNIQUE(id);

**Query to Drop integrity Constraint to a particular column in Existing Table**

ALTER Table `Employee` drop constraint id\_unique;

**Query to Create Table with primary key**

create Table if not exists person

(

    id int,

    name VARCHAR(50),

    age int,

    --PRIMARY KEY (id)

    constraint pk PRIMARY KEY (id)

);

**Query to insert data in Person Table**

INSERT INTO person VALUES(1,'Saurabh',22);

INSERT INTO person VALUES(1,'Shagun',21); ---Failed

INSERT INTO person VALUES(NULL,'Shagun',21); ---Failed

INSERT INTO person VALUES(3,'Amar',21);

**Query to Add Integrity Constraint**

ALTER Table person ADD constraint age\_unique UNIQUE(age);

**Query to Drop Integrity Constraint**

ALTER Table person DROP constraint age\_unique;

**Create table for foreign Key Demo**

create Table if not exists customer

(

    cust\_id int,

    name varchar(50),

    age int,

    constraint pk PRIMARY KEY (cust\_id)

);

create Table if not exists orders

(

    order\_id int,

    order\_num INT,

    Customer\_id int,

    constraint pk PRIMARY KEY (order\_id),

    constraint fk FOREIGN KEY (Customer\_id) REFERENCES customer(cust\_id)

);

**Difference between truncate and drop command**

TRUNCATE TABLE person; -- Delete data only

DROP Table person; -- Delete whole table with schema

**Creating a table to practice basis queries**

create table if not exists employee(

    id int,

    name VARCHAR(50),

    age int,

    hiring\_date date,

    salary int,

    city varchar(50)

);

insert into employee values(1,'Shashank', 24, '2021-08-10', 10000, 'Lucknow');

insert into employee values(2,'Rahul', 25, '2021-08-10', 20000, 'Khajuraho');

insert into employee values(3,'Sunny', 22, '2021-08-11', 11000, 'Banaglore');

insert into employee values(5,'Amit', 25, '2021-08-11', 12000, 'Noida');

insert into employee values(1,'Puneet', 26, '2021-08-12', 50000, 'Gurgaon');

**Query to count total no. of rows**

SELECT COUNT(\*) as total\_rows FROM employee;

**Query to select specific columns**

SELECT name,salary FROM employee;

**Query to print unique hiring\_dates**

SELECT distinct(hiring\_date) from employee;

**Query to print how many unique age values in the table?**

SELECT COUNT(DISTINCT(age)) as Total\_unique\_age FROM employee;

**Query to print Increment salary of each employee by 20%.**

SELECT id,

    name,

    salary as old\_salary,

    salary + (salary\*20)/100 as new\_salary

    FROM employee;

**Query to Update Increment salary of each employee by 20%.**

UPDATE employee set salary = salary + (salary\*20)/100;

**Query to filter data using Where Clause**

SELECT \* from employee WHERE hiring\_date = '2021-08-10';

**Query to Update the salary of employees who joined the company on 2021-08-10 to 80000**

UPDATE employee set salary = 80000 WHERE hiring\_date = '2021-08-10';

**Query to delete records of those employess who joined company on 2021-08-1**

DELETE from employee WHERE hiring\_date = '2021-08-10';