**DML**

drop database employee\_db;

create database employee\_db;

use employee\_db;

create table employee(

id int primary key,

name varchar(20) not null,

age int check(age>18 and age<35) not null,

gender enum('m','f') not null,

doj date not null,

salary int default 0,

skills set('java','sql','python'),

phone varchar(20) unique not null

);

-- since we have not added auto incremet to id, so we have to pass id manually

-- INSERT

-- insert into table\_name(column1,column2....) values(value1, value2......)

-- inserting without specifiying column name

-- when you are inserting data without specifing column name,

-- you have to pass data for all columns with maintaining order of column

insert into employee values(101,"raj",20,"m","2020-11-30",350000,'java,sql',9856365248);

select \* from employee;

-- inserting with specifiying all column names

insert into employee (id,name,age,gender,doj,salary,skills,phone)

values(102,"rani",25,"f","2020-10-28",300000,'java',9856365245);

select \* from employee;

-- inserting without specifiying some column names

-- here specify only those column names on which there is no NOT NULL

-- here we have two columns - salary and skills

insert into employee (id,name,age,gender,doj,phone)

values(104,"aniket",32,"m","2020-09-28",9856365235);

select \* from employee;

-- inserting wmultiple values at a time - for all columns

insert into employee

(id,name,age,gender,doj,salary,skills,phone)

values

(105,"punit",31,"m","2019-08-25",210000,'java,sql',8956365245),

(106,"radha",30,"f","2022-07-10",200000,'java,python',7556365245),

(107,"sanjay",28,"m","2022-10-07",380000,'java,sql,python',8656365245);

select \* from employee;

-- inserting data from one table to another

-- creating table with some imp details of employee (not all details)

create table employee\_test(

id int primary key,

name varchar(20) not null,

gender enum('m','f') not null,

phone varchar(20) unique not null

);

select \* from employee\_test;

insert into employee\_test select id,name,gender,phone from employee;

select \* from employee\_test;

select \* from employee;

-- UPDATE

-- UPDATE table\_name SET column\_to\_be\_modify = value WHERE column\_name\_with\_pk = value

-- udpdate one column at a time

select \* from employee;

update employee set name = "raju" where id = 101;

select \* from employee;

-- udpdate mutiple column at a time

select \* from employee;

update employee set name = "raj",salary=40000 where id = 101;

select \* from employee;

-- udpdate without where condition

-- not recommonded to use

update employee set name = "raj";

select \* from employee;

-- DELETE

-- DELETE FROM table\_name WHERE column\_name = value

-- delete one record/row at a time

delete from employee where id=101;

select \* from employee;

-- delete one record/row at a time with wrong id

-- if id does not exist, then our command will not give any error

delete from employee where id=201;

select \* from employee;

-- delete muliple row/record at a time

delete from employee where gender='m';

select \* from employee;

-- delete without where condition

delete from employee;

select \* from employee;