Ddl,dcl,dml

Create

alter

Install workbench

Install mysql installer

Go tto shell C:\Program Files\MySQL\MySQL Shell 8.0\bin\mysqlsh.exe or

In cmd prompt mysqlsh

\sql

\connect root@localhost:3306

create database sample

use sample2

create table employee(empid int not null unique, name varchar(20), emerg\_contact\_name varchar(20), phn char(10), addr varchar(20),country varchar(15), primary key(empid));

alter table employee modify phn varchar(10);

insert into employee values(1000, 'nandhinimb', 'aaa', '123456789', '15 abc', 'india');

update employee set name='xxxx' where empid=1000;

delete from employee where empid=1000;

all

any

like

sql query with instance

sql sub query

join

ddl.sql

CREATE TABLE Employee\_Info

(

EmployeeID int,

EmployeeName varchar(255),

Emergency\_ContactName varchar(255),

PhoneNumber int,

Address varchar(255),

City varchar(255),

Country varchar(255)

);

ALTER TABLE Employee\_Info

ADD BloodGroup varchar(255);

ALTER TABLE Employee\_Info

DROP COLUMN BloodGroup ;

ALTER TABLE Employee\_Info

ADD DOB year;

ALTER TABLE Employee\_Info modify DOB date;

DROP Table Employee\_Info;

Dml.sql

CREATE TABLE Employee\_Info

(

EmployeeID int NOT NULL UNIQUE CHECK (EmployeeID >1),

EmployeeName varchar(255),

Emergency\_ContactName varchar(255),

PhoneNumber int,

Address varchar(255),

City varchar(255),

Country varchar(255) DEFAULT 'India'

);

ALTER TABLE Employee\_Info MODIFY PhoneNumber VARCHAR(255);

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (06, 'Sanjana','Jagannath', '9921321141', 'Camel Street House No 12', 'Chennai', 'India');

INSERT INTO Employee\_Info

VALUES ('07', 'Sayantini','Praveen', '9934567654', 'Nice Road 21', 'Pune', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (01, 'Preeti','Sayantini', '9921328141', 'PWD Street House No 12', 'Mumbai', 'India');

UPDATE Employee\_Info

SET EmployeeName = 'Aahana', City= 'Ahmedabad'

WHERE EmployeeID = 1;

DELETE FROM Employee\_Info WHERE EmployeeID='1';

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (01, 'Preeti','Sayantini', '9921328141', 'PWD Street House No 12', 'Mumbai', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (02, 'Seema','Sana', '9821328141', 'ABC Street House No 12', 'Nagpur', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (03, 'Rahul','Som', '9981328141', 'DEF Street House No 12', 'Kanpur', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (04, 'Ayush','Mohit', '9821928141', 'GHI Street House No 12', 'Kolkata', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (05, 'Sam','Ram', '9821928101', 'JKL Street House No 12', 'Bangalore', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (08, 'Pam','Ram', '9821928181', 'MNO Street House No 12', 'Calicut', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (09, 'Shalu','Ram', '9021928101', 'PQR Street House No 12', 'Bangalore', 'India');

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (10, 'Krishna','Ram', '9021928901', 'PQR Street House No 12', 'Chennai', 'India');

CREATE TABLE Employee\_Salary

(

EmployeeID int NOT NULL UNIQUE CHECK (EmployeeID >1),

Employee\_Salary int,

PRIMARY KEY(EmployeeID),

FOREIGN KEY (EmployeeID) REFERENCES Employee\_Info(EmployeeID)

);

INSERT INTO Employee\_Salary(EmployeeID, Employee\_Salary)

VALUES (10, 45000);

INSERT INTO Employee\_Salary(EmployeeID, Employee\_Salary)

VALUES (08, 47000);

INSERT INTO Employee\_Salary(EmployeeID, Employee\_Salary)

VALUES (09, 37000);

ALTER TABLE Employee\_Salary CHANGE COLUMN Employee\_Salary Salary int;

CREATE TABLE Technologies

(

TechID int,

EmployeeID int NOT NULL UNIQUE CHECK (EmployeeID >1),

TechName varchar(255),

ProjectStartDate Date,

PRIMARY KEY(TechID),

FOREIGN KEY (EmployeeID) REFERENCES Employee\_Info(EmployeeID)

);

ALTER TABLE Technologies MODIFY ProjectStartDate varchar(255);

INSERT INTO Technologies(TechID, EmployeeID, TechName, ProjectStartDate)

VALUES (1, 10, 'DevOps','04-01-2019');

INSERT INTO Technologies(TechID, EmployeeID, TechName, ProjectStartDate)

VALUES (2, 8, 'Blockchain','06-07-2019');

INSERT INTO Technologies(TechID, EmployeeID, TechName, ProjectStartDate)

VALUES (3, 4, 'Python','01-03-2019');

Dml2.sql

SELECT EmployeeID, EmployeeName, City FROM Employee\_Info;

SELECT DISTINCT PhoneNumber FROM Employee\_Info;

SELECT \* FROM Employee\_Info ORDER BY Emergency\_ContactName ASC, EmployeeName DESC;

SELECT COUNT(EmployeeID), City FROM Employee\_Info GROUP BY City;

SELECT COUNT(EmployeeID), City FROM Employee\_Info GROUP BY City HAVING COUNT(EmployeeID) = 2 ORDER BY COUNT(EmployeeID) DESC;

SELECT \* FROM Employee\_Info WHERE City='Mumbai' AND City='Hyderabad';

SELECT \* FROM Employee\_Info WHERE City='Mumbai' OR City='Hyderabad';

SELECT \* FROM Employee\_Info WHERE NOT City='Mumbai';

SELECT \* FROM Employee\_Salary WHERE Salary BETWEEN 40000 AND 50000;

SELECT \* FROM Employee\_Info WHERE EmployeeName LIKE 'S%';

SELECT \* FROM Employee\_Info WHERE City IN ('Mumbai', 'Bangalore', 'Hyderabad');

SELECT EmployeeName

FROM Employee\_Info

WHERE EmployeeID > ALL (SELECT EmployeeID FROM Employee\_Info WHERE City = 'Bangalore');

SELECT EmployeeName

FROM Employee\_Info

WHERE EmployeeID > ANY (SELECT EmployeeID FROM Employee\_Info WHERE City = 'Bangalore');

SELECT EmployeeName

FROM Employee\_Info

WHERE EXISTS (SELECT EmployeeID FROM Employee\_Info WHERE City = 'Hyderabad');

SELECT EmployeeName

FROM Employee\_Info

WHERE EXISTS (SELECT EmployeeID FROM Employee\_Info WHERE City = 'Chennai');

SELECT MAX(Salary) AS LargestFees

FROM Employee\_Salary;

SELECT AVG(Salary) AS AvgFees

FROM Employee\_Salary;

SELECT SUM(Salary) AS SumFees

FROM Employee\_Salary;

Select Max(EmployeeId) as MaxId, city as MaxSalary from Employee\_Info group by city order by Max(EmployeeId) desc;

Select EmployeeId, EmployeeName from Employee\_Info where EmployeeId in (Select EmployeeId from Employee\_Salary where Salary > 42000)

Joins.sql

SELECT \*

FROM Technologies t

INNER JOIN Employee\_Info e ON t.EmployeeID = e.EmployeeID;

SELECT \*

FROM Technologies t

LEFT JOIN Employee\_Info e ON t.EmployeeID = e.EmployeeID;

SELECT \*

FROM Technologies t

RIGHT JOIN Employee\_Info e ON t.EmployeeID = e.EmployeeID;

SELECT \*

FROM Technologies t

LEFT JOIN Employee\_Info e ON t.EmployeeID = e.EmployeeID UNION

SELECT \*

FROM Technologies t

RIGHT JOIN Employee\_Info e ON t.EmployeeID = e.EmployeeID;

Combined query.sql

SELECT country1.country\_name, country2.city\_name, count(\*) as counts from customer country3

inner join city country2 on country2.id =country3.city\_id

inner join country country1 on country1.id = country2.country\_id

group by country3.city\_id having counts >

(select count(customer.id)/count(distinct customer.city\_id) from customer) order by country1.country\_name;

CREATE OR REPLACE VIEW Chennai\_Employees AS

SELECT \*

FROM Employee\_Info

WHERE City = "Chennai";

Select \* from Chennai\_Employees;

INSERT INTO Employee\_Info(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (13, 'Krina','Ram', '9091928901', 'PQR Street House No 12', 'Chennai', 'India');

Select \* from Chennai\_Employees;

INSERT INTO Chennai\_Employees(EmployeeID, EmployeeName, Emergency\_ContactName, PhoneNumber, Address, City, Country)

VALUES (14, 'Krina','Ram', '9091928901', 'PQR Street House No 12', 'Chennai', 'India');

Procedures.sql

DELIMITER $$

DROP PROCEDURE IF EXISTS CityEmployeeCount$$

CREATE PROCEDURE CityEmployeeCount(city VARCHAR(255), OUT total INT)

BEGIN

SELECT COUNT(EmployeeID) into total from Employee\_Info group by city;

END$$

DELIMITER ;

CALL CityEmployeeCount('Chennai',@total);

SELECT @total;

