create DATABASE company;

create table Employee (

EmpID int(6) AUTO\_INCREMENT NOT null,

EmpFname varchar(255) not null,

EmpLname varchar(255) not null,

department int,

project varchar(255),

address int,

dob date,

gander varchar(10),

PRIMARY KEY (EmpID),

FOREIGN KEY(department) REFERENCES departments(id),

FOREIGN KEY (address) REFERENCES city(id)

);

CREATE TABLE city (

id int not null PRIMARY KEY,

city varchar(255));

CREATE TABLE position (

empId int(6) not null AUTO\_INCREMENT PRIMARY KEY,

empPosition varchar(255)

);

CREATE TABLE empPosition (

emp\_position\_Id int(6) not null AUTO\_INCREMENT PRIMARY KEY,

emp\_Position varchar(255),

emp\_dateOfJoining date,

emp\_salary int ) FOREIGN KEY (salary) REFERENCES empsalary(empId)

);

CREATE TABLE employPosition(

empId int not null AUTO\_INCREMENT,

empPosition int,

dateOfJoining date,

salary int,

PRIMARY KEY(empId),

FOREIGN KEY (empPosition) REFERENCES position (empId),

FOREIGN KEY (salary) REFERENCES empsalary(empId)

);

INSERT INTO employee

VALUES

(1, "ghulam", "mustafa", 2, "website", "okara", 1995-11-11, "male")

INSERT INTO empposition

VALUES

(1, "manager", '2021-06-12', 20000),

(2, "HR", '2020-06-22', 37000),

(3, "HR", '2021-06-14', 26000),

(4, "manager", '2022-05-14', 50000),

(5, "manager", '2021-03-13', 40000),

(6, "LEAD", '2021-09-15', 21200),

(7, "LEAD", '2021-08-15', 22000),

(8, "manager", '2020-07-12',13000),

(9, "LEAD", '2020-07-12', 12000)

INSERT INTO employee

values

(10, "alia", "shahzad", "admin", "website", "okara", '2000-11-12', "male"),

(11, "atique", "ahmad", "hr", "desinging", "lahore", '1990-01-13', "male"),

(12, "ahmad", "raza", "account", "website", "karachi", '2001-02-14', "male"),

(13, "yasir", "taaj", "admin", "designing", "islamabad", '2011-03-15', "male"),

(14, "sajid", "naik", "hr", "website", "faisalabad", '1995-04-16', "male"),

(15, "bilal", "dilber", "account", "desinging", "okara", '1972-05-17', "male"),

(16, "bushra", "ali", "admin", "website", "okara", '1980-06-18', "male")

INSERT INTO empposition

(emp\_Position , emp\_dateOfJoining, emp\_salary, EmpID)

VALUES

("manager", '2012-12-13', 25000 , 10),

("exective", null, 25000 , 10),

("lead", '2022-12-03', 25000 , 10),

("manager", '2012-12-01', 25000 , 10),

("lead", '2015-12-15', 25000 , 10),

("exective", '2016-12-13', 25000 , 10),

("manager", '2013-12-12', 25000 , 10),

("lead", '2021-11-03', 25000 , 10)

1. SELECT count(EmpID) as total from employee where department="admin";
2. SELECT left(EmpLname,4) from employee;
3. SELECT address as placename from employee;

Change to get address before braket

1. SELECT EmpLname FROM employee WHERE EmpLname like '%a';
2. SELECT concat(e.EmpFname," ",e.EmpLname) as EmpName , ep.emp\_salary FROM employee as e INNER JOIN empposition as ep on e.EmpID = ep.EmpID ORDER by ep.emp\_salary desc LIMIT 10;
3. SELECT \* from employee WHERE EmpID IN (SELECT EmpID from empposition WHERE emp\_position = "manager" );

Without subquery

1. SELECT \* from employee as e join empposition as ep on e.EmpID = ep.EmpID where ep.emp\_dateOfJoining is null;
2. SELECT \*, count(EmpFname) as total\_no\_of\_duplicate from employee group by EmpFname HAVING count(EmpFname)>1;

Change to check with first and second name

1. SELECT ep.emp\_salary from employee as e join empposition as ep on e.EmpID = ep.EmpID ORDER by ep.emp\_salary desc limit 1,1;

SELECT \* from employee as e join empposition as ep on e.EmpID = ep.EmpID WHERE ep.emp\_Position = "manager";

Singup page data

create table singup (

user\_id int not null AUTO\_INCREMENT PRIMARY key,

first\_name varchar(255) not null,

last\_name varchar(255) not null,

profile\_pic text,

created\_at TIMESTAMP ,

deleted\_at TIMESTAMP NULL DEFAULT NULL,

updated\_at TIMESTAMP NULL DEFAULT NULL ON UPDATE CURRENT\_TIMESTAMP

);

Soft delete qurry

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM `singup` WHERE 1 [AND](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/logical-operators.html#operator_and) deleted\_at = null;

CREATE TABLE user\_data(

user\_id int not null AUTO\_INCREMENT primary key,

first\_name varchar(255) not null ,

last\_name varchar(255) not null,

email varchar(255) not null , password varchar(255) not null,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

deleted\_at TIMESTAMP NULL DEFAULT NULL,

updated\_at TIMESTAMP NULL DEFAULT NULL ON UPDATE CURRENT\_TIMESTAMP

);

CREATE TABLE user\_data(

user\_id int not null AUTO\_INCREMENT primary key,

first\_name varchar(255) not null ,

last\_name varchar(255) not null,

email varchar(255) not null , password varchar(255) not null,

created\_at TIMESTAMP,

deleted\_at TIMESTAMP NULL DEFAULT NULL,

updated\_at TIMESTAMP NULL DEFAULT NULL ON UPDATE CURRENT\_TIMESTAMP

);