Cse370 Lab Assignment 03

Deadline: 10-07-2023 11:59 pm

Name: Ms Rodsy Tahmid

Id: 20101021

Sec-06

mysql -u root -p

show databases;

use the\_office;

show tables;

create table employees

(

employee\_id char(10),

first\_name varchar(20),

last\_name varchar(20),

email varchar(60),

phone\_number char(14),

hire\_date date,

job\_id char(10),

salary int,

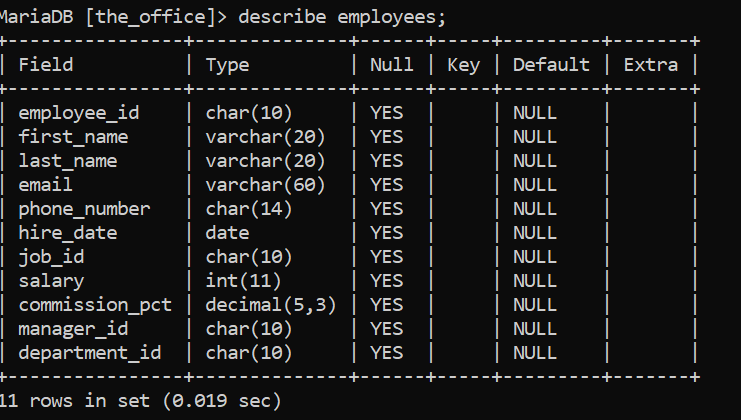
commission\_pct decimal(5,3),

manager\_id char(10),

department\_id char(10)

);

describe employees;



INSERT INTO employees VALUES

('EMP001', 'Michael','Scott', 'michael.scott11@gmail.com', '01812345678', '1999-09-20','JOB001', 1000, 5.125, 'MNG001', 'DPT001'),

('EMP002', 'Jim', 'Harper', 'jim.harper12@gmail.com', '01712345678', '2004-09-30', 'JOB002', 15000, 4.125, 'MNG002', 'DPT007'),

('EMP003', 'Pam', 'Beesly', 'pam.beesly13@gmail.com', '01912345678', '2003-09-30', 'JOB003', 2500, 3.125, 'MNG003', 'DPT003'),

('EMP004', 'Angela', 'Martin', 'angela.martin14@gmail.com', '01512345678', '2005-09-28', 'JOB004', 65000, 2.125, 'MNG004', 'DPT002'),

('EMP005', 'Dwight', 'Shrute', 'dwight.shrute15@gmail.com', '01612345678', '2003-09-30', 'JOB005', 3500, 1.125, 'MNG005', 'DPT007'),

('EMP006', 'Kelly', 'Kapoor', 'kelly.kapoor16@gmail.com', '01412345678', '2003-09-30', 'JOB006', 20000, 6.125, 'MNG006', 'DPT006'),

('EMP007', 'Andrew', 'Bernard', 'andrew.bernard17@gmail.com', '01312345678', '2007-05-10', 'JOB007', 50000, 7.125, 'MNG007', 'DPT004'),

('EMP008', 'Kevin', 'Malone', 'kevin.malone18@gmail.com', '01212345678', '2004-10-30', 'JOB008', 12500, 8.125, 'MNG008', 'DPT005'),

('EMP009', 'Toby', 'Flender', 'toby.flender19@gmail.com', '01832345678', '2004-09-30', 'JOB009', 1750, 9.125, 'MNG009', 'DPT007'),

('EMP010', 'Phyllis', 'Vance', 'phyllis.vance20@gmail.com', '01732345678', '1999-09-20', 'JOB010', 61000, 6.625, 'MNG010', 'DPT005'),

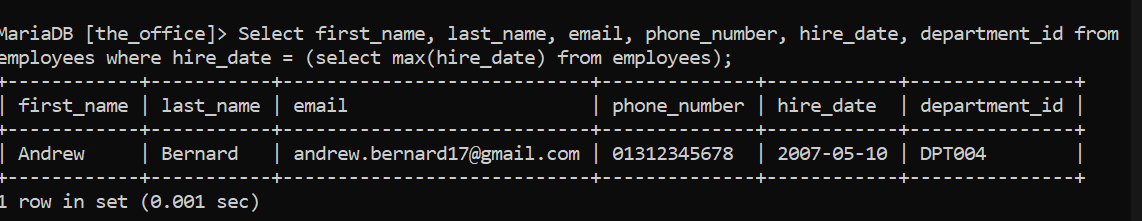
('EMP011', 'Creed', 'Bratton', 'creed.bratton21@gmail.com', '01932345678', '1980-06-01', 'JOB011', 2250, 5.625, 'MNG011', 'DPT004');

Select \* from employees;



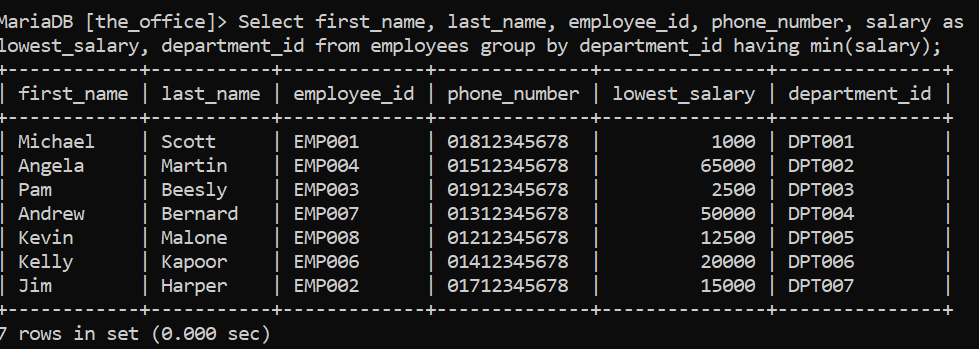
1.

Select first\_name, last\_name, email, phone\_number, hire\_date, department\_id from employees where hire\_date = (select max(hire\_date) from employees);



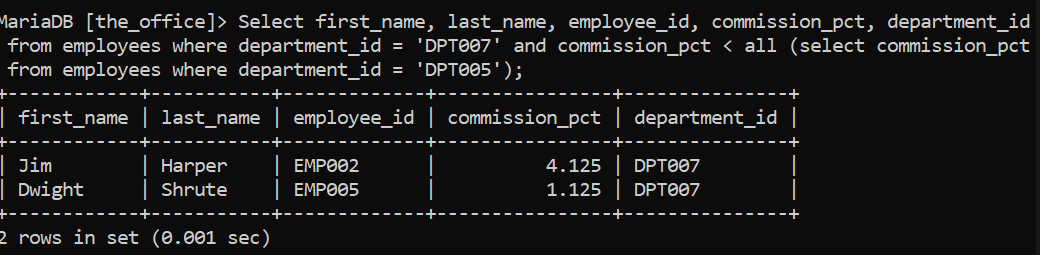
2.

Select first\_name, last\_name, employee\_id, phone\_number, salary as lowest\_salary, department\_id from employees group by department\_id having min(salary);



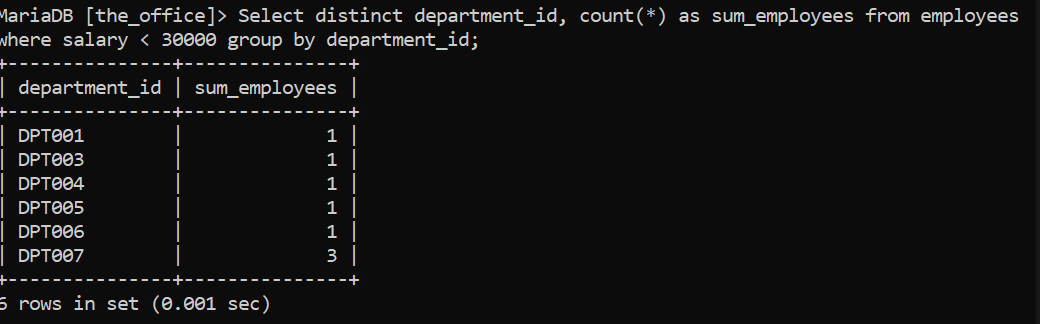
3.

Select first\_name, last\_name, employee\_id, commission\_pct, department\_id from employees where department\_id = 'DPT007' and commission\_pct < all (select commission\_pct from employees where department\_id = 'DPT005');



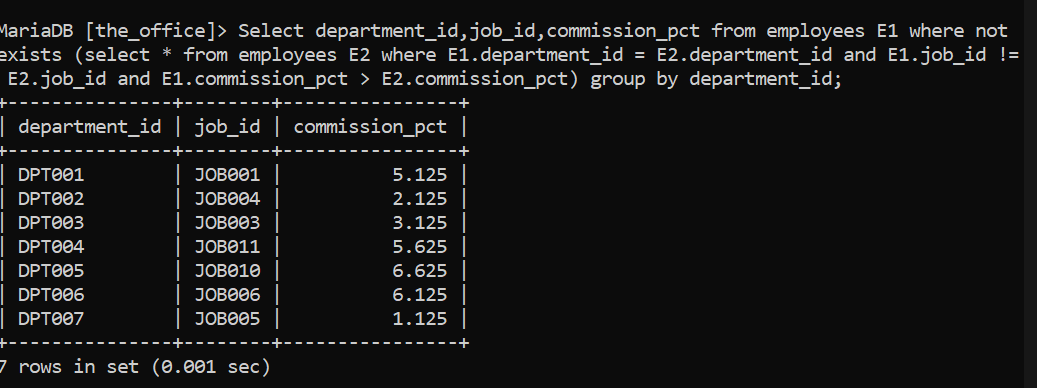
4.

Select distinct department\_id, count(\*) as sum\_employees from employees where salary < 30000 group by department\_id;



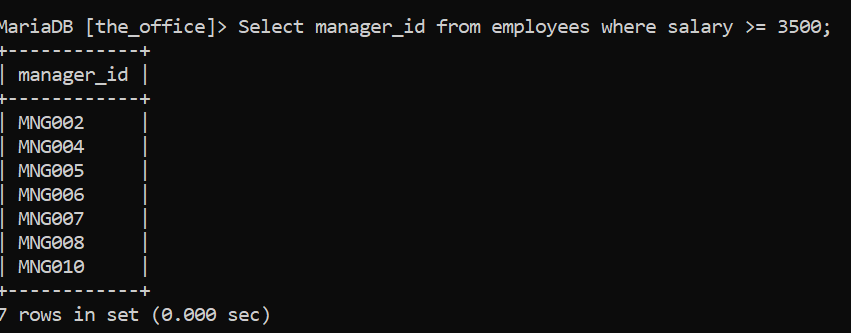
5.

Select department\_id,job\_id,commission\_pct from employees E1 where not exists (select \* from employees E2 where E1.department\_id = E2.department\_id and E1.job\_id != E2.job\_id and E1.commission\_pct > E2.commission\_pct) group by department\_id;



6.

Select manager\_id from employees where salary >= 3500;



7.

Select first\_name, last\_name, employee\_id,email,salary,department\_id,commission\_pct from employees where (manager\_id,commission\_pct) in (select manager\_id,min(commission\_pct) from employees group by manager\_id);

