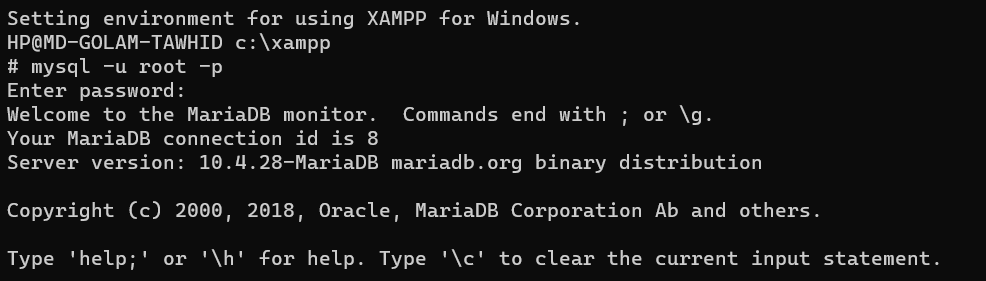
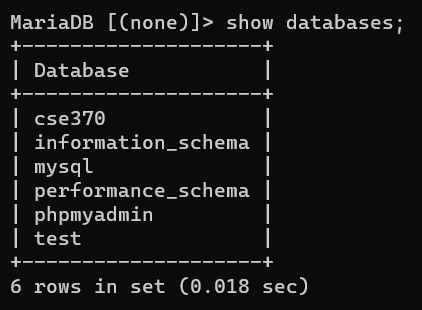
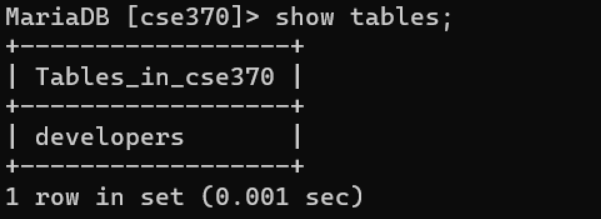
**Setting environment for using XAMPP for Windows:** mysql -u root -p



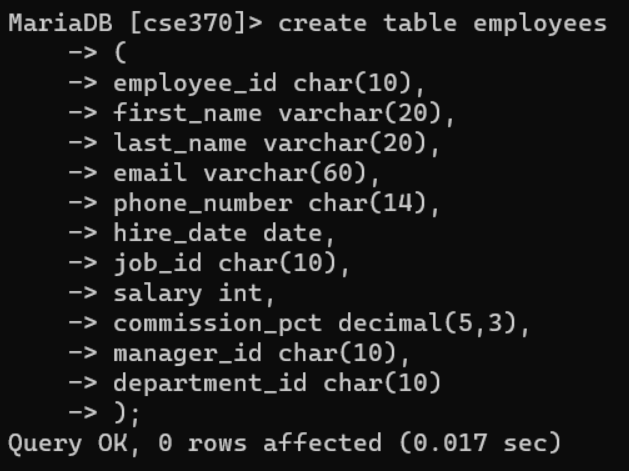
**Showing databases:** show databases;

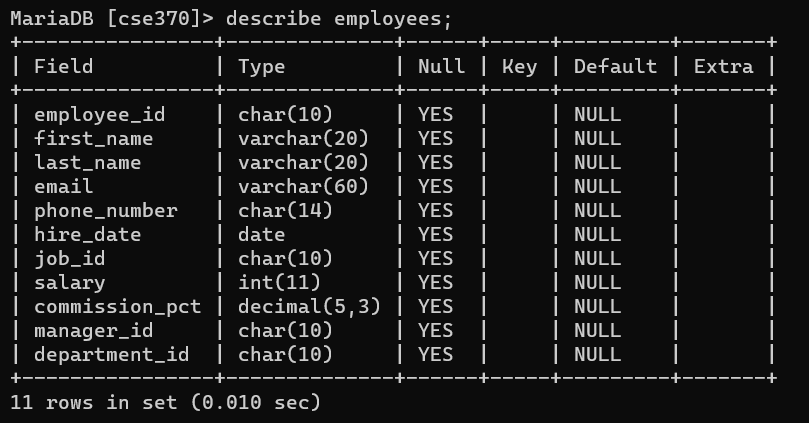


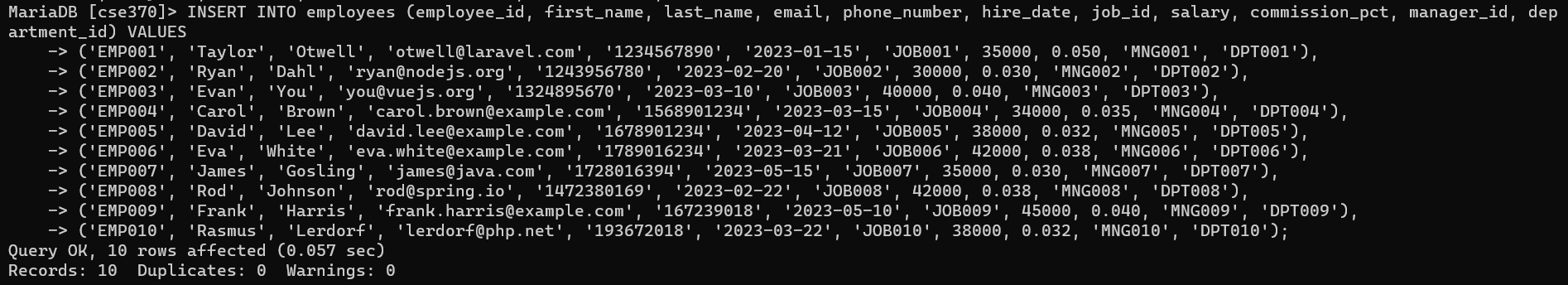
**Showing tables:** show tables;



**Creating tables and Inserting data:**





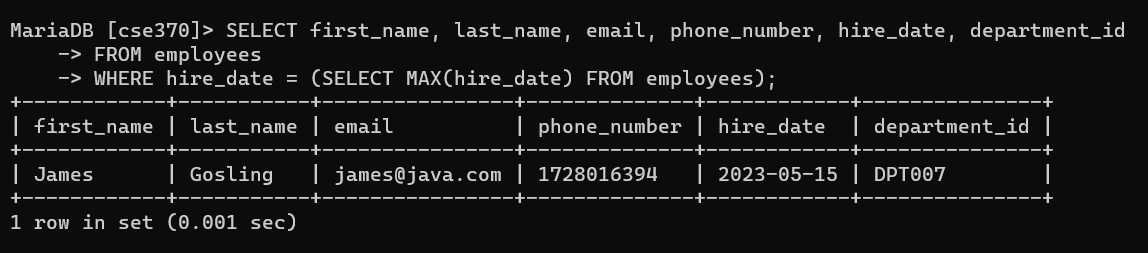




**TASK 1:** SELECT first\_name, last\_name, email, phone\_number, hire\_date, department\_id

-> FROM employees

-> WHERE hire\_date = (SELECT MAX(hire\_date) FROM employees);



**TASK 2:** SELECT first\_name, last\_name, employee\_id, phone\_number, salary, department\_id

-> FROM employees

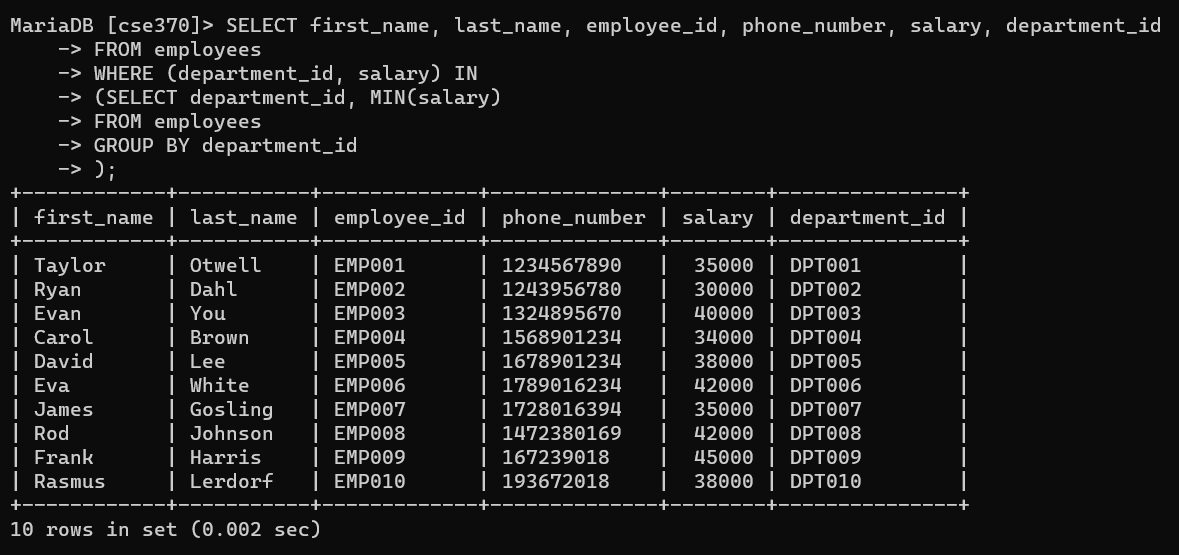
-> WHERE (department\_id, salary) IN

-> (SELECT department\_id, MIN(salary)

-> FROM employees

-> GROUP BY department\_id

-> );



**TASK 3:** SELECT first\_name, last\_name, employee\_id, commission\_pct, department\_id

-> FROM employees

-> WHERE department\_id = "DPT007"

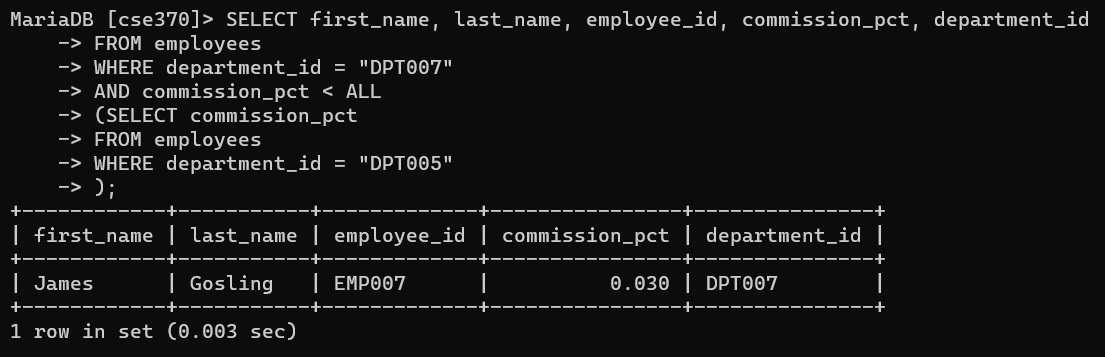
-> AND commission\_pct < ALL

-> (SELECT commission\_pct

-> FROM employees

-> WHERE department\_id = "DPT005"

-> );

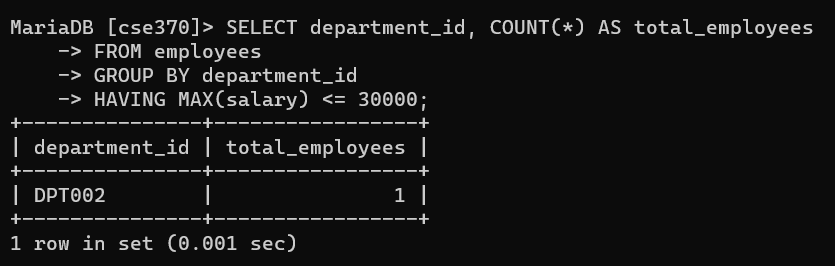


**TASK 4:** SELECT department\_id, COUNT(\*) AS total\_employees

-> FROM employees

-> GROUP BY department\_id

-> HAVING MAX(salary) <= 30000;



**TASK 5:** SELECT e.department\_id, e.job\_id, e.commission\_pct

-> FROM employees e

-> WHERE e.commission\_pct < ANY

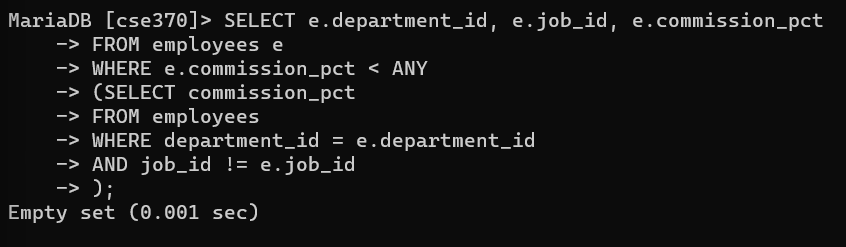
-> (SELECT commission\_pct

-> FROM employees

-> WHERE department\_id = e.department\_id

-> AND job\_id != e.job\_id

-> );



**TASK 6:** SELECT DISTINCT manager\_id

-> FROM employees

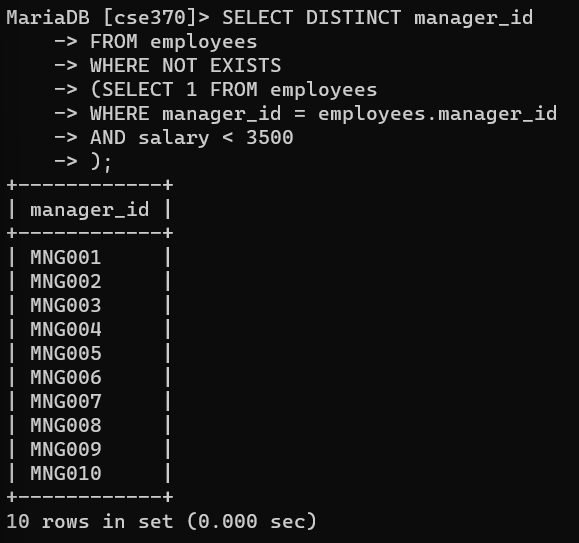
-> WHERE NOT EXISTS

-> (SELECT 1 FROM employees

-> WHERE manager\_id = employees.manager\_id

-> AND salary < 3500

-> );



**TASK 7:** SELECT e.first\_name, e.last\_name, e.employee\_id, e.email, e.salary, e.department\_id, e.commission\_pct

-> FROM employees e

-> WHERE (e.commission\_pct, manager\_id) IN

-> (SELECT MIN(commission\_pct), manager\_id

-> FROM employees

-> GROUP BY manager\_id

-> );

