

# CSE370 Lab Assignment: 03

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Section: 5 (Theory, Lab)

**Semester: Spring' 23** 

Finding the first name, last name, email, phone number, hire date and department id of all the employees with the latest hire date:

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

<u>Finding the first name, last name, employee id, phone number, salary and department\_id</u> of all the employees with the lowest salary in each department:

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) order by department\_id;

department_id						, salary, department_id from employees where (department_id, salary) in (select department_id, min(salary) from employees group by department_id) order by
first_name	last_name	employee_id	phone_number	salary	department_id	
	Martinez	EMP001		35000	DPT001	
Pam Jim	Beesly   Halpert	EMP002 EMP004	555-555-5556 555-555-5558	36500	DPT005	
Angela Toby	Martin   Flenderson	EMP006 EMP009	555-555-5560 555-555-5563	29000	DPT007	
Ryan Jan	Howard Levinson	EMP007 EMP010	555-555-5561 555-555-5564		DPT009 DPT010	
	(0.000 sec)					

Finding the first name, Last name, employee id, commission pct and department id of all the employees in the department 'DPT007' who have a lower commission pct than all of the employees of the department 'DPT005':

select first\_name, last\_name, employee\_id, commission\_pct, department\_id from
employees where department\_id = 'DPT007' and commission\_pct < (select
min(commission pct) from employees where department id = 'DPT005')</pre>



#### Task 4

Finding the department\_id and total number of employees of each department which does not have a single employee under it with a salary more than 30,000:

select department\_id, count(\*) as total\_employees from employees where
department\_id not in (select department\_id from employees where salary >
30000) group by department\_id;



Finding the department id, job id and commission pct with commission pct less than at least one other job id in that department for each of the departments:

select department\_id, job\_id, commission\_pct from employees e1 where
commission\_pct < any (select commission\_pct from employees e2 where
e1.department\_id = e2.department\_id and e1.job\_id != e2.job\_id) order by
department\_id, job\_id;</pre>



### Task 6

<u>Finding the manager\_id who does not have any employee under them with a salary less than 3500:</u>

select distinct e1.manager\_id from employees e1 where not exists (select
e2.employee\_id from employees e2 where e2.salary < 3500 and e2.manager\_id =
e1.manager\_id);</pre>

Finding the first name, last name, employee id, email, salary, department id and commission pct of the employee who has the lowest commission pct under each manager:

select e1.first\_name, e1.last\_name, e1.employee\_id, e1.email, e1.salary,
e1.department\_id, e1.commission\_pct from employees e1 where e1.commission\_pct
= (select min(e2.commission\_pct) from employees e2 where e2.manager\_id =
e1.manager\_id) order by e1.manager\_id;

NariaDB [my_770_database]> select el.first_name, el.last_name, el.employee_id, el.email, el.salary, el.department_id, el.commission_pct from employees el where el.commission_pct = (select min(e2.commission_pct) from employees el where el.amanger_id) order by el.amanger_id;												
first_name	last_name	employee_id		salary	department_id	commission	on_pct					
Kelly   Ryan		EMP008 EMP007	kkapoor@example.com rhoward@example.com	38500   38000	DPT007 DPT009		12.450   15.400					
Toby   Dwight		EMP003	tflenderson@example.com dschrute@example.com	26000	DPT003		11.500   16.200					
Angela Frows in set	. <del>.</del>	EMP006	amartin@example.com	47500			6.350					