CSE370 : Database Systems

Assignment 02 | Summer 2025

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No 1 Query (as Plain Text)	select first_name, last_name, email, phone_number, hire_date,department_id from Employee where hire_date = (select max(hire_date) from Employee);
No 1 SS (of Query & Output in Shell)	
No 2 Query (as Plain Text)	select first_name, last_name, employee_id, phone_number, salary, department_id from employee e where salary=(select min(salary) from employee where department_id = e.department_id);
No 2 SS (of Query & Output in Shell)	

No 3 Query **(as Plain Text)**	select first_name, last_name, employee_id, commision_pct, department_id from Employee where department_id = "DPT007" and commision_pct < all(select commision_pct from employee where department_id = "DPT005");
| **No 3 SS**<br>**(of Query & Output in Shell)** | ```
MariaDB [Company_22299079]> select first_name, last_name, employee_id,
 department_id = "DPT005");
Empty set (0.001 sec)
``` |
| | |
| **No 4 Query**
(as Plain Text) | select department_id,count(*) as number_of_employess from Employee group by department_id having max(salary)<=30000; |
| **No 4 SS**<br>**(of Query & Output in Shell)** | ```
MariaDB [Company_22299079]> select department_id,count(*) as number_of_employess from Employee group by department_id having max(salary)<=30000;
Empty set (0.001 sec)
``` |
| | |
| **No 5 Query**
(as Plain Text) | select department_id, job_id, commision_pct from employee L1 where exists(select * from employee L2 where L1.department_id=L2.department_id and L1.job_id != L2.job_id and L1.commision_pct < L2.commision_pct); |
| **No 5 SS**<br>**(of Query & Output in Shell)** | ```
MariaDB [Company_22299079]> select department_id, job_id, commision_pct from employee L1 where exists(select * from empl
oyee L2 where L1.department_id=L2.department_id and L1.job_id != L2.job_id and L1.commision_pct < L2.commision_pct);
Empty set (0.002 sec)
``` |
| | |
| **No 6 Query**
(as Plain Text) | select distinct manager_id from Employee where manager_id not in (select manager_id from Employee where salary < 3500); |

No 6 SS **(of Query & Output** **in Shell)**	``` MariaDB [Company_22299079]> select distinct manager_id from Employee ager_id from Employee where salary < 3500); +------------+ | manager_id | +------------+ | MNG001
MNG002
MNG003
MNG004	 +------------+ 4 rows in set (0.001 sec) ```
No 7 Query **(as Plain Text)**	select first_name, last_name, employee_id, email, salary, department_id, commision_pct from employee e1 where commision_pct = (select min(commision_pct) from employee e2 where e2.manager_id = e1.manager_id) and e1.manager_id is not null;
No 7 SS **(of Query & Output** **in Shell)**	``` +------------+-----------+-------------+----------------------------+--------+---------------+---------------+ | first_name	last_name	employee_id	email	salary	department_id	commision_pct | +------------+-----------+-------------+----------------------------+--------+---------------+---------------+ | David	Miller	EMP004	david.miller@example.com	48000	DPT001	0.020
Henry	Wilson	EMP008	henry.wilson@example.com	51000	DPT002	0.015
Ivy	Anderson	EMP009	ivy.anderson@example.com	47000	DPT006	0.010
Olivia	Lee	EMP015	olivia.lee@example.com	52000	DPT006	0.035	 +------------+-----------+-------------+----------------------------+--------+---------------+---------------+ 4 rows in set (0.004 sec) ```