

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)	<pre>MariaDB [Company_22299079]> select first_name, last_name, email, phone_number, hire_date, department_id from Employee where hire_date = (select max(hire_date) from Employee); +-----+-----+-----+-----+-----+-----+ first_name last_name email phone_number hire_date department_id +-----+-----+-----+-----+-----+-----+ Ivy Anderson ivy.anderson@example.com 01234567890131 2025-01-11 DPT006 +-----+-----+-----+-----+-----+-----+ 1 row in set (0.001 sec)</pre>
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)	<pre>e where salary=(select min(salary) from employee where department_id = e.department_id +-----+-----+-----+-----+-----+-----+ first_name last_name employee_id phone_number salary department_id +-----+-----+-----+-----+-----+-----+ David Miller EMP004 01234567890126 48000 DPT001 Grace Lopez EMP007 01234567890129 58000 DPT005 Henry Wilson EMP008 01234567890130 51000 DPT002 Ivy Anderson EMP009 01234567890131 47000 DPT006 Jack Thomas EMP010 01234567890132 64000 DPT007 Leo Moore EMP012 01234567890134 56000 DPT003 Mona Jackson EMP013 01234567890135 61000 DPT004 +-----+-----+-----+-----+-----+-----+ 7 rows in set (0.001 sec)</pre>

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 (of Query & Output in Shell)	<pre>MariaDB [Company_22299079]> select first_name, last_name, employee_id, department_id = "DPT005"); Empty set (0.001 sec)</pre>
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 (of Query & Output in Shell)	<pre>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)</pre>
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 (of Query & Output in Shell)	<pre>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)</pre>
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
manager_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)
```