

CSE370 : Database Systems

Assignment 01 | Fall 2024

ID : 22301050 | Name : Anita Haque Sushma

No 1 Query (as Plain Text)	MariaDB [Company_22301050]> 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_22301050]> select first_name ,last_name,email,phone_number,hire_date,department_id from Employee where hire_date = (select -> Max(hire_date) from Employee);</pre> <table><tr><th>first_name</th><th>last_name</th><th>email</th><th>phone_number</th><th>hire_date</th><th>department_id</th></tr><tr><td>James</td><td>Gosling</td><td>james.gosling@gmail.com</td><td>01714456200</td><td>2023-12-01</td><td>DPT005</td></tr></table>	first_name	last_name	email	phone_number	hire_date	department_id	James	Gosling	james.gosling@gmail.com	01714456200	2023-12-01	DPT005																																				
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James	Gosling	james.gosling@gmail.com	01714456200	2023-12-01	DPT005																																												
No 2 Query (as Plain Text)	MariaDB [Company_22301050]> select first_name ,last_name,employee_id,phone_number,salary,department_id from Employee x1 where salary = (select min(salary) from Employee x2 where x1.department_id = x2.department_id) group by department_id;																																																
No 2 SS (of Query & Output in Shell)	<pre>MariaDB [Company_22301050]> select first_name ,last_name,employee_id,phone_number,salary,department_id from Employee x1 where salary = (select min(salary) from Employee x 2 where x1.department_id = x2.department_id) group by department_id;</pre> <table><tr><th>first_name</th><th>last_name</th><th>employee_id</th><th>phone_number</th><th>salary</th><th>department_id</th></tr><tr><td>Taylor</td><td>Otwell</td><td>EMP001</td><td>01712385612</td><td>65000</td><td>DPT001</td></tr><tr><td>Ryan</td><td>Dahl</td><td>EMP002</td><td>01713286459</td><td>60000</td><td>DPT002</td></tr><tr><td>Satoshi</td><td>Nakamoto</td><td>EMP007</td><td>01714210853</td><td>25000</td><td>DPT003</td></tr><tr><td>Brendan</td><td>Eich</td><td>EMP003</td><td>01712255674</td><td>55000</td><td>DPT004</td></tr><tr><td>James</td><td>Gosling</td><td>EMP009</td><td>01714456200</td><td>45000</td><td>DPT005</td></tr><tr><td>Rasmus</td><td>Dahl</td><td>EMP005</td><td>01714123956</td><td>45000</td><td>DPT006</td></tr><tr><td>Evan</td><td>You</td><td>EMP004</td><td>01714679852</td><td>50000</td><td>DPT007</td></tr></table>	first_name	last_name	employee_id	phone_number	salary	department_id	Taylor	Otwell	EMP001	01712385612	65000	DPT001	Ryan	Dahl	EMP002	01713286459	60000	DPT002	Satoshi	Nakamoto	EMP007	01714210853	25000	DPT003	Brendan	Eich	EMP003	01712255674	55000	DPT004	James	Gosling	EMP009	01714456200	45000	DPT005	Rasmus	Dahl	EMP005	01714123956	45000	DPT006	Evan	You	EMP004	01714679852	50000	DPT007
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No 3 Query (as Plain Text)	MariaDB [Company_22301050]> SELECT first_name, last_name, employee_id, commission_pct, department_id from Employee where department_id='DPT007' and commission_pct<(select min(commission_pct) from Employee where department_id='DPT005');																																																

No 3 SS (of Query & Output in Shell)	MariaDB [Company_22301050]> SELECT first_name, last_name, employee_id, commission_pct, department_id from Employee where department_id='DPT007' and commission_pct<(select min(commission_pct) from Employee where department_id='DPT005'); Empty set (0.022 sec)
No 4 Query (as Plain Text)	MariaDB [Company_22301050]> select department_id,salary,count(*) as total_employees from Employee group by department_id having salary<=30000;
No 4 SS (of Query & Output in Shell)	MariaDB [Company_22301050]> select department_id,salary,count(*) as total_employees from Employee group by department_id having salary<=30000; +-----+-----+-----+ department_id salary total_employees +-----+-----+-----+ DPT003 25000 1 +-----+-----+-----+
No 5 Query (as Plain Text)	MariaDB [Company_22301050]> select department_id,job_id,commission_pct from Employee x1 where commission_pct<any(select commission_pct from Employee x2 where x1.department_id=x2.department_id and x1.job_id!=x2.job_id);
No 5 SS (of Query & Output in Shell)	MariaDB [Company_22301050]> select department_id,job_id,commission_pct from Employee x1 where commission_pct<any(select commission_pct from Employee x2 where x1.department_id=x2.department_id and x1.job_id!=x2.job_id); +-----+-----+-----+ department_id job_id commission_pct +-----+-----+-----+ DPT001 JOB001 0.025 DPT006 JOB005 0.025 DPT002 JOB011 0.050 DPT007 JOB012 0.070 +-----+-----+-----+
No 6 Query (as Plain Text)	MariaDB [Company_22301050]> select manager_id from Employee group by manager_id having min(salary)>=3500;

No 6 SS (of Query & Output in Shell)	<pre> MariaDB [Company_22301050]> select manager_id from Employee group by manager_id having min(salary)>=3500; +-----+ manager_id +-----+ MNG001 MNG002 MNG003 MNG004 MNG005 +-----+ </pre>
No 7 Query (as Plain Text)	<p>MariaDB [Company_22301050]> select first_name,last_name,employee_id,email,salary,department_id,commission_pct from Employee x1 where commission_pct = (select min(commissi on_pct) from Employee x2 where x1.manager_id = x2.manager_id);</p>
No 7 SS (of Query & Output in Shell)	<pre> MariaDB [Company_22301050]> select first_name,last_name,employee_id,email,salary,department_id,commission_pct from Employee x1 where commission_pct = (select min(commissi on_pct) from Employee x2 where x1.manager_id = x2.manager_id); +-----+-----+-----+-----+-----+-----+-----+ first_name last_name employee_id email salary department_id commission_pct +-----+-----+-----+-----+-----+-----+-----+ Taylor Otwell EMP001 taylor.otwell@gmail.com 65000 DPT001 0.025 Brendan Eich EMP003 brendan.eich@gmail.com 55000 DPT004 0.050 Rasmus Dahl EMP005 rasmus.dahl@gmail.com 45000 DPT006 0.025 James Gosling EMP009 james.gosling@gmail.com 45000 DPT005 0.025 Adrian Eich EMP011 adrian.eich@gmail.com 60000 DPT002 0.050 +-----+-----+-----+-----+-----+-----+-----+ </pre>