CSE370: Database Systems

Assignment 01/02/03 | Summer 2025

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No 1 Query (as Plain Text)	SELECT EMP.first_name,EMP.last_name,EMP.email,EMP.phone_number, EMP.hire_date, EMP.department_id FROM employee AS EMP ORDER BY EMP.hire_date DESC LIMIT 1;
No 1 SS (of Query & Output in Shell)	MariaDB [Company_21201811]> SELECT EMP.first_name,EMP.last_name,EMP.email,EMP.phone_number, EMP.hire_date, EMP.departmen t_id FROM employee AS EMP -> ORDER BY EMP.hire_date DESC -> LIMIT 1;
No 2 Query (as Plain Text)	SELECT EMP.first_name,EMP.last_name,EMP.email,EMP.phone_number,EMP.salary, EMP.department_id FROM employee AS EMP GROUP BY EMP.department_id HAVING EMP.salary = (SELECT MIN(EMP2.salary) FROM employee AS EMP2 WHERE EMP2.department_id=EMP.department_id);
No 2 SS (of Query & Output in Shell)	MariaDB [Company_21201811]> SELECT EMP.first_name,EMP.last_name,EMP.email,EMP.phone_number,EMP.salary, EMP.department_id FROM employee AS EMP -> GROUP BY EMP.department_id -> HAVING EMP.salary = (SELECT MIN(EMP2.salary) FROM employee AS EMP2 WHERE EMP2.department_id=EMP.department_id);
No 3 Query (as Plain Text)	SELECT EMP.first_name,EMP.last_name,EMP.email,EMP.phone_number,EMP.commission_pct, EMP.department_id FROM employee AS EMP WHERE EMP.department_id='DPT007' AND EMP.commission_pct < (SELECT MIN(EMP1.commission_pct) FROM employee AS EMP1 WHERE EMP1.department_id='DPT005');

No 3 SS (of Query & Output in Shell)	MariaDB [Company_21201811]> SELECT EMP.first_name, EMP.last_name, EMP.email, EMP.phone_number, EMP.commission_pct, EMP.department_id FROM employee AS EMP -> WHERE EMP.department_id='DPT007' AND EMP.commission_pct < (SELECT MIN(EMP1.commission_pct) FROM employee AS EMP1 WHERE EMP1.department_id='DPT005'); Empty set (0.001 sec) MariaDB [Company_21201811]>
No 4 Query (as Plain Text)	SELECT EMP.department_id, COUNT(EMP.department_id) FROM employee AS EMP GROUP BY EMP.department_id HAVING MAX(EMP.salary)<=30000;
No 4 SS (of Query & Output in Shell)	<pre>MariaDB [Company_21201811]> SELECT EMP.department_id, COUNT(EMP.department_id) FROM employee AS EMP</pre>
No 5 Query (as Plain Text)	SELECT EMP.department_id,EMP.job_id,EMP.commission_pct FROM employee AS EMP WHERE EMP.commission_pct < (SELECT MAX(EMP1.commission_pct) FROM employee AS EMP1 WHERE EMP1.department_id=EMP.department_id);
No 5 SS (of Query & Output in Shell)	MariaDB [Company_21201811]> SELECT EMP.department_id, EMP.job_id, EMP.commission_pct FROM employee AS EMP -> WHERE EMP.commission_pct < (SELECT MAX(EMP1.commission_pct) FROM employee AS EMP1 WHERE EMP1.department_id=EMP.de partment_id); +
No 6 Query (as Plain Text)	SELECT EMP.manager_id FROM employee AS EMP GROUP BY EMP.manager_id HAVING MIN(EMP.salary)>3500;

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No 6 SS
                        MariaDB [(none)]> USE Company_21201811;
(of Query &
                        Database changed
                        MariaDB [Company_21201811] > SELECT EMP.manager_id FROM employee AS EMP
Output
                               -> GROUP BY EMP.manager_id
in Shell)
                               -> HAVING MIN(EMP.salary)>3500;
                           manager_id
                           MNG001
                           MNG002
                           MNG003
                           rows in set (0.000 sec)
No 7 Query
                       SELECT
(as Plain Text)
                       EMP.first name,EMP.last name,EMP.employee id,EMP.email,EMP.salary,EMP.department
                        id,EMP.commission pct FROM employee AS EMP
                       WHERE EMP.commission pct=(SELECT MIN(EMP1.commission pct)FROM employee AS
                       EMP1 WHERE EMP1.manager id = EMP.manager id);
                        MariaDB [Company_21201811]> SELECT EMP.first_name,EMP.last_name,EMP.employee_id,EMP.email,EMP.salary,EMP.department_id,E
MP.commission_pct FROM employee AS EMP

-> WHERE EMP.commission_pct=(SELECT MIN(EMP1.commission_pct)FROM employee AS EMP1 WHERE EMP1.manager_id = EMP.manage
No 7 SS
(of Query &
                         _id);
Output
                          first_name
                                      last_name |
                                                 employee_id | email
                                                                                              department_id | commission_pct
                                                                                      salary
in Shell)
                                                 EMP005
EMP007
EMP010
                                                                                              DPT004
DPT006
DPT002
                                                                                                                     0.000
0.010
0.000
                                      Khan
Islam
Miah
                                                              james.khan@yahoo.com
thomas.islam@gmail.com
joseph.miah@gmail.com
                                                                                       62000
                                                                                       41000
                          Thomas
                          Joseph
                          rows in set (0.001 sec)
```