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Sec: 03

Date of Submission:16/11/2022

lab:03

Task 1)

select first_name, last_name, email, phone_number, hire_date, department_id from employees

-> order by hire_date desc;

```
MariaDB [job]> select first_name, last_name, email, phone_number, hire_date, department_id from employees
-> order by hire_date desc;
```

first_name	last_name	email	phone_number	hire_date	department_id
Bela	Bose	bela2441139@gmail.co	01912441139	2022-04-08	6
Sand	Man	sand141@gmail.com	01312551139	2018-08-27	10
Safin	Islam	safinislam@gmail.com	01998714681	2017-03-30	4
Zain	Tasnim	zarintasnim@gmail.co	01788714611	2016-03-10	3
Safina	Jarin	safina@gmail.com	01398714677	2015-05-30	5
Neil	Arms	Neil9@gmail.com	01712231139	2015-05-05	9
Dipak Debnath	Arka	anonxarka@gmail.com	01658714666	2015-02-20	1
Katy	Pery	katy@gmail.com	01922455135	2013-05-23	8
Nila	Bose	Nila2139@gmail.com	01912551139	2012-04-07	7

9 rows in set (0.000 sec)

Task 2) select first_name, last_name, employee_id, phone_number, salary, department_id from employees where salary in (select min(salary) from employees group by department_id);

```
MariaDB [job]> select first_name, last_name, employee_id, phone_number, salary, department_id from
-> employees where salary in ( select min(salary) from employees group by department_id );
```

first_name	last_name	employee_id	phone_number	salary	department_id
Dipak Debnath	Arka	e001	01658714666	10000	1
Zain	Tasnim	e003	01788714611	20000	3
Safin	Islam	e004	01998714681	25000	4
Safina	Jarin	e005	01398714677	30000	5
Bela	Bose	e006	01912441139	1100	6
Nila	Bose	e007	01912551139	11100	7
Katy	Pery	e008	01922455135	12300	8
Neil	Arms	e009	01712231139	23100	9
Sand	Man	e0010	01312551139	21100	10

9 rows in set (0.003 sec)

Task 3)

select first_name, last_name, employee_id, commission_pct, department_id from employees where department_id=7 and commission_pct < (select min(commission_pct) from

employees where department_id=5);

```
MariaDB [job]> select first_name,last_name,employee_id,commission_pct,department_id from employees where department_id=7 and commission_pct < (select min(commission_pct) from employees where departme
+-----+-----+-----+-----+-----+
| first_name | last_name | employee_id | commission_pct | department_id |
+-----+-----+-----+-----+-----+
| Nila      | Bose     | e007       | 4.200         | 7            |
+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

Task 4) select department_id,count(*) from employees where salary < 30000 and salary in (select max(salary) from employees group by department_id) group by department_id;

```
MariaDB [job]> select department_id,count(*) from employees where salary < 30000 and salary in (select max(salary) from employees group by department_id) group by departme
+-----+-----+
| department_id | count(*) |
+-----+-----+
| 1            | 1        |
| 3            | 1        |
| 4            | 1        |
| 6            | 1        |
| 7            | 1        |
| 8            | 1        |
| 9            | 1        |
| 10           | 1        |
+-----+-----+
8 rows in set (0.001 sec)
```

Task 5)

select department_id,job_id,commission_pct from employees where commission_pct < job_id group by department_id;

```
MariaDB [job]> select department_id,job_id,commission_pct from employees where commission_pct < job_id group by department_id;
+-----+-----+-----+
| department_id | job_id | commission_pct |
+-----+-----+-----+
| 1            | 10     | 8.200         |
| 3            | 20     | 10.000        |
| 4            | 25     | 11.000        |
| 5            | 30     | 7.000         |
| 6            | 18     | 9.200         |
| 7            | 20     | 4.200         |
| 8            | 33     | 6.200         |
| 10           | 80     | 55.200        |
+-----+-----+-----+
8 rows in set (0.001 sec)
```

Task 6) select manager_id from employees where salary >3500 and salary in (select min(salary) from employees group by manager_id);

```
MariaDB [job]> select manager_id from employees where salary >3500 and salary in (select min(salary) from employees group by manager_id);
+-----+
| manager_id |
+-----+
| m1         |
| m3         |
| m4         |
| m5         |
| m7         |
| m8         |
| m9         |
| m10        |
+-----+
8 rows in set (0.001 sec)
```

Task 7)

select first_name, last_name, employee_id, email, salary, department_id, commission_pct from employees where commission_pct in (select min(commission_pct) from employees group by manager_id);

```

MariaDB [job]> select first_name, last_name, employee_id, email, salary, department_id, commission_pct from employees where commission_pct in (select min(commission_pct) from employees group by manag
-----
| first_name | last_name | employee_id | email | salary | department_id | commission_pct |
-----
| Dipak Debnath | Arka | e001 | anonxarka@gmail.com | 10000 | 1 | 8.200 |
| Zain | Tasnim | e003 | zarintasnin@gmail.co | 20000 | 3 | 10.000 |
| Safin | Islam | e004 | safinislan@gmail.com | 25000 | 4 | 11.000 |
| Safina | Jarin | e005 | safina@gmail.com | 30000 | 5 | 7.000 |
| Bela | Bose | e006 | belaz24113@gmail.co | 1100 | 6 | 9.200 |
| Nila | Bose | e007 | Nila213@gmail.com | 11100 | 7 | 4.200 |
| Katy | Pery | e008 | katy@gmail.com | 12300 | 8 | 6.200 |
| Neil | Arms | e009 | Neil9@gmail.com | 23100 | 9 | 99.200 |
| Sand | Man | e0010 | sand141@gmail.com | 21100 | 10 | 55.200 |
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