

Name: Cerwin Emerson C. Calixto

1. Display all columns from `tbl_employees`.
2. Display only the `firstname` and `lastname` of all employees.
3. Show `firstname`, `lastname`, and `salary` of all employees.
4. Find all employees whose `firstname` starts with '**S**'.
5. Find all employees whose `lastname` ends with '**off**'.
6. Find employees with `firstname` containing '**a**n'.
7. Find employees whose `firstname` second letter is '**e**'.
8. Find employees whose `lastname` starts with '**R**'.
9. Show distinct `position_id` values.
10. Show distinct `gender` values from the table.
11. Display all employees with a salary greater than **60,000**.
12. Display all employees who were hired before **2015-01-01**.
13. Display employees with `gender` = '**F**'.
14. Show employees whose `status` is ACTIVE.
15. Display employees whose salary is between **50,000** and **70,000**.
16. Display employees sorted by `firstname` in ascending order.
17. Display employees sorted by `salary` in descending order.
18. Show employees sorted by `date_hired` (oldest first).
19. Count how many employees are in each `position_id`.
20. Count how many employees are grouped by `gender`.

21. Find the total salary per position_id.

```
MariaDB [db_calixto]> select position_id,sum(salary) from tbl_employees group by position_id;
+-----+-----+
| position_id | sum(salary) |
+-----+-----+
|      1 | 118000.00 |
|      2 | 167000.00 |
|      3 | 48000.00  |
|      4 | 70000.00  |
|      5 | 52000.00  |
+-----+-----+
5 rows in set (0.000 sec)

MariaDB [db_calixto]> |
```

22. Show position_id groups having more than 1 employee.

```
MariaDB [db_calixto]> select position_id from tbl_employees group by position_id having count(*) >= 2;
+-----+
| position_id |
+-----+
|      1 |
|      2 |
+-----+
2 rows in set (0.000 sec)

MariaDB [db_calixto]> |
```

23. Show gender groups where the average salary is above 60,000.

```
MariaDB [db_calixto]> select gender from tbl_employees group by gender having avg(salary) > 60000;
+-----+
| gender |
+-----+
| M      |
+-----+
1 row in set (0.001 sec)

MariaDB [db_calixto]> |
```

24. Show only the first 3 employees from the table.

```
MariaDB [db_calixto]> select * from tbl_employees limit 3;
+-----+-----+-----+-----+-----+-----+-----+-----+
| id  | firstname | lastname | position_id | gender | salary | date_hired | status |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1   | Jerwin    | Cruz     |          1 | M      | 60000.00 | 2018-06-30 | ACTIVE  |
| 2   | Peter     | Parker   |          2 | M      | 65000.00 | 2011-12-02 | ACTIVE  |
| 3   | Tony      | Stark    |          2 | M      | 102000.00 | 2002-02-01 | ACTIVE  |
+-----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [db_calixto]> |
```

25. Show 3 employees starting from the 3rd record in the table.

```
MariaDB [db_calixto]> select * from tbl_employees limit 3 offset 2;
+----+-----+-----+-----+-----+-----+-----+-----+
| id | firstname | lastname | position_id | gender | salary | date_hired | status |
+----+-----+-----+-----+-----+-----+-----+-----+
| 3 | Tony      | Stark    |          2 | M       | 102000.00 | 2002-02-01 | ACTIVE |
| 4 | Natasha   | Romanoff |          4 | F       | 70000.00  | 2015-10-24 | ACTIVE |
| 5 | Wanda     | Maximoff |          3 | F       | 48000.00  | 2016-09-25 | ACTIVE |
+----+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)

MariaDB [db_calixto]> |
```