

Name: Palmero, Jerome L.

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 'an'.
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_palmero]> SELECT position_id, SUM(salary) AS total_salary FROM tbl_employees GROUP BY position_id;
```

position_id	total_salary
1	118000.00
2	167000.00
3	48000.00
4	70000.00
5	52000.00

```
5 rows in set (0.001 sec)
```

22. Show position_id groups having more than 1 **employee**.

```
MariaDB [db_palmero]> SELECT position_id, COUNT(*) as number_of_employees FROM tbl_employees GROUP BY position_id HAVING COUNT(*) > 1;
```

position_id	number_of_employees
1	2
2	2

2 rows in set (0.000 sec)

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

```
MariaDB [db_palmero]> SELECT gender, AVG(salary) AS average_salary FROM tbl_employees GROUP BY gender HAVING AVG(salary) > 60000;
```

gender	average_salary
M	67400.000000

1 row in set (0.001 sec)

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

```
MariaDB [db_palmero]> 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 (0.000 sec)

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

```
MariaDB [db_palmero]> 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 (0.000 sec)