Name: Jana Caresse Llera

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'**.

   SELECT * FROM tbl_employees WHERE lastname LIKE '%off';

   ```
   MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE lastname LIKE '%off';
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   | id | firstname | lastname  | position_id | gender | salary   | date_hired  | status |
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   |  4 | Natasha   | Romanoff  |           4 | F      | 70000.00 | 2015-10-24  | ACTIVE |
   |  5 | Wanda     | Maximoff  |           3 | F      | 48000.00 | 2016-09-25  | ACTIVE |
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   2 rows in set (0.001 sec)
   ```

6. Find employees with firstname containing **'an'**.

   SELECT * FROM tbl_employees WHERE firstname LIKE '%an%';

   ```
   MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE firstname LIKE '%an%';
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   | id | firstname | lastname  | position_id | gender | salary   | date_hired  | status |
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   |  5 | Wanda     | Maximoff  |           3 | F      | 48000.00 | 2016-09-25  | ACTIVE |
   +----+-----------+-----------+-------------+--------+----------+-------------+--------+
   1 row in set (0.001 sec)
   ```

7. Find employees whose firstname second letter is **'e'**.

   SELECT * FROM tbl_employees WHERE firstname LIKE '__e%';

```
MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE firstname LIKE '__e%';
+----+-----------+----------+-------------+--------+----------+------------+--------+
| id | firstname | lastname | position_id | gender | salary   | date_hired | status |
+----+-----------+----------+-------------+--------+----------+------------+--------+
|  6 | Steve     | Rogers   |           1 | M      | 58000.00 | 2017-07-25 | ACTIVE |
|  7 | Stephen   | Strange  |           5 | M      | 52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+----------+-------------+--------+----------+------------+--------+
2 rows in set (0.001 sec)
```

8. Find employees whose lastname starts with **'R'**.

   SELECT * FROM tbl_employees WHERE lastname LIKE 'R%';

```
MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE lastname LIKE 'R%';
+----+-----------+----------+-------------+--------+----------+------------+--------+
| id | firstname | lastname | position_id | gender | salary   | date_hired | status |
+----+-----------+----------+-------------+--------+----------+------------+--------+
|  4 | Natasha   | Romanoff |           4 | F      | 70000.00 | 2015-10-24 | ACTIVE |
|  6 | Steve     | Rogers   |           1 | M      | 58000.00 | 2017-07-25 | ACTIVE |
+----+-----------+----------+-------------+--------+----------+------------+--------+
2 rows in set (0.001 sec)
```

9. Show distinct position_id values.

   SELECT DISTINCT position_id FROM tbl_employees;

```
MariaDB [db_llera]> SELECT DISTINCT position_id FROM tbl_employees;
+-------------+
| position_id |
+-------------+
|           1 |
|           2 |
|           4 |
|           3 |
|           5 |
+-------------+
5 rows in set (0.001 sec)
```

10. Show distinct gender values from the table.

    SELECT * FROM tbl_employees WHERE gender = 'F';

```
MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE gender = F;
ERROR 1054 (42S22): Unknown column 'F' in 'where clause'
MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE gender = 'F';
+----+-----------+-----------+-------------+--------+----------+------------+--------+
| id | firstname | lastname  | position_id | gender | salary   | date_hired | status |
+----+-----------+-----------+-------------+--------+----------+------------+--------+
|  4 | Natasha   | Romanoff  |           4 | F      | 70000.00 | 2015-10-24 | ACTIVE |
|  5 | Wanda     | Maximoff  |           3 | F      | 48000.00 | 2016-09-25 | ACTIVE |
+----+-----------+-----------+-------------+--------+----------+------------+--------+
2 rows in set (0.001 sec)
```

SELECT * FROM tbl_employees WHERE gender = 'M';

```
MariaDB [db_llera]> SELECT * FROM tbl_employees WHERE gender = 'M';
+----+-----------+-----------+-------------+--------+-----------+------------+--------+
| 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 |
|  6 | Steve     | Rogers    |           1 | M      |  58000.00 | 2017-07-25 | ACTIVE |
|  7 | Stephen   | Strange   |           5 | M      |  52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+-----------+-------------+--------+-----------+------------+--------+
5 rows in set (0.001 sec)
```

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.

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

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

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

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