Name: _Jessie Mariel S. De Mesa_____

1. **Display all columns from tbl_employees.**

```
MariaDB [db_demesa]> select * from tbl_employees;
+----+-----------+----------+-------------+--------+-----------+------------+--------+
| 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 |
|  4 | Natasha   | Romanoff |           4 | F      |  70000.00 | 2015-10-24 | ACTIVE |
|  5 | Wanda     | Maximoff |           3 | F      |  48000.00 | 2016-09-25 | ACTIVE |
|  6 | Steve     | Rogers   |           1 | M      |  58000.00 | 2017-07-25 | ACTIVE |
|  7 | Stephen   | Strange  |           5 | M      |  52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```

2. **Display only the firstname and lastname of all employees.**

```
MariaDB [db_demesa]> select firstname, lastname from tbl_employees;
+-----------+----------+
| firstname | lastname |
+-----------+----------+
| Jerwin    | Cruz     |
| Peter     | Parker   |
| Tony      | Stark    |
| Natasha   | Romanoff |
| Wanda     | Maximoff |
| Steve     | Rogers   |
| Stephen   | Strange  |
+-----------+----------+
```

3. **Show firstname, lastname, and salary of all employees.**

```
MariaDB [db_demesa]> select firstname, lastname, salary from tbl_employees;
+-----------+----------+-----------+
| firstname | lastname | salary    |
+-----------+----------+-----------+
| Jerwin    | Cruz     |  60000.00 |
| Peter     | Parker   |  65000.00 |
| Tony      | Stark    | 102000.00 |
| Natasha   | Romanoff |  70000.00 |
| Wanda     | Maximoff |  48000.00 |
| Steve     | Rogers   |  58000.00 |
| Stephen   | Strange  |  52000.00 |
+-----------+----------+-----------+
```

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.**

```
MariaDB [db_demesa]> SELECT DISTINCT gender FROM tbl_employees;
+--------+
| gender |
+--------+
| M      |
| F      |
+--------+
```

11. **Display all employees with a salary greater than 60,000.**

```
MariaDB [db_demesa]> select * from tbl_employees where salary > 60000;
+----+-----------+----------+-------------+--------+-----------+------------+--------+
| id | firstname | lastname | position_id | gender | salary    | date_hired | status |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
|  2 | Peter     | Parker   |           2 | M      |  65000.00 | 2011-12-02 | ACTIVE |
|  3 | Tony      | Stark    |           2 | M      | 102000.00 | 2002-02-01 | ACTIVE |
|  4 | Natasha   | Romanoff |           4 | F      |  70000.00 | 2015-10-24 | ACTIVE |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```

12. **Display all employees who were hired before 2015-01-01.**

```
MariaDB [db_demesa]> select * from tbl_employees where date_hired < '2015-01-01';
+----+-----------+----------+-------------+--------+-----------+------------+--------+
| id | firstname | lastname | position_id | gender | salary    | date_hired | status |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
|  2 | Peter     | Parker   |           2 | M      |  65000.00 | 2011-12-02 | ACTIVE |
|  3 | Tony      | Stark    |           2 | M      | 102000.00 | 2002-02-01 | ACTIVE |
|  7 | Stephen   | Strange  |           5 | M      |  52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```

13. **Display employees with gender = 'F'.**

```
MariaDB [db_demesa]> 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 |
+----+-----------+----------+-------------+--------+----------+------------+--------+
```

14. Show employees whose status is ACTIVE.

```
MariaDB [db_demesa]> select * from tbl_employees where status = 'ACTIVE';
+----+-----------+----------+-------------+--------+-----------+------------+--------+
| 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 |
|  4 | Natasha   | Romanoff |           4 | F      |  70000.00 | 2015-10-24 | ACTIVE |
|  5 | Wanda     | Maximoff |           3 | F      |  48000.00 | 2016-09-25 | ACTIVE |
|  6 | Steve     | Rogers   |           1 | M      |  58000.00 | 2017-07-25 | ACTIVE |
|  7 | Stephen   | Strange  |           5 | M      |  52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```

15. Display employees whose salary is between 50,000 and 70,000.

```
MariaDB [db_demesa]> select * from tbl_employees where salary between 50000 and 70000;
+----+-----------+----------+-------------+--------+----------+------------+--------+
| 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 |
|  4 | Natasha   | Romanoff |           4 | F      | 70000.00 | 2015-10-24 | ACTIVE |
|  6 | Steve     | Rogers   |           1 | M      | 58000.00 | 2017-07-25 | ACTIVE |
|  7 | Stephen   | Strange  |           5 | M      | 52000.00 | 2013-08-25 | ACTIVE |
+----+-----------+----------+-------------+--------+----------+------------+--------+
```

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.**

```
MariaDB [db_demesa]> 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 |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```

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

```
MariaDB [db_demesa]> 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 |
+----+-----------+----------+-------------+--------+-----------+------------+--------+
```