

PW SKILLS ASSIGNMENT

(SQL COMMANDS)

1. Identify the primary keys and foreign keys in maven movies db. Discuss the differences ?

The major difference between Primary key and foreign key is Primary keys uniquely identify a record in a table, while foreign keys establish a link between tables.

```
SELECT * FROM information_schema.key_column_usage;
```

2. List all details of actors ?

```
SELECT * FROM actor;
```

3. List all customer information from DB.

```
SELECT * FROM customer;
```

4. List different countries.

```
SELECT DISTINCT country FROM country;
```

5. Display all active customers.

```
SELECT customer_id, first_name, last_name, email FROM customer WHERE `active`=1;
```

6. List of all rental IDs for customer with ID 1.

```
SELECT rental_id FROM rental WHERE customer_id=1;
```

7. Display all the films whose rental duration is greater than 5.

```
SELECT film_id, title FROM film WHERE rental_duration > 5;
```

8. List the total number of films whose replacement cost is greater than \$15 and less than \$20.

```
SELECT COUNT(*) FROM film WHERE replacement_cost > 15 AND replacement_cost < 20;
```

9. Display the count of unique first names of actors.

```
SELECT COUNT(DISTINCT first_name) FROM actor;
```

10. Display the first 10 records from the customer table

```
SELECT * FROM customer LIMIT 10;
```

11. Display the first 3 records from the customer table whose first name starts with 'b'

```
SELECT * FROM customer WHERE first_name LIKE 'b%' LIMIT 3;
```

12. Display the names of first 5 movies which are rated as G.

```
SELECT title FROM film WHERE rating = 'G' LIMIT 5;
```

13. Find all customers whose first name starts with "a".

```
SELECT * FROM customer WHERE first_name LIKE "a%";
```

14. Find all customers whose first name ends with "a".

```
SELECT * FROM customer WHERE first_name LIKE "%a";
```

15. Display the list of first 4 cities which start and end with 'a'.

```
SELECT city FROM city WHERE city LIKE 'a%%a' LIMIT 4;
```

16. Find all customers whose first name have "NI" in any position.

```
SELECT first_name FROM customer WHERE first_name LIKE '%ni%';
```

17. Find all customers whose first name have "r" in the second position

```
SELECT first_name FROM customer WHERE first_name LIKE '_r%';
```

18. Find all customers whose first name starts with "a" and are at least 5 characters in length.

```
SELECT first_name FROM customer WHERE first_name LIKE 'a_____';
```

19. Find all customers whose first name starts with "a" and ends with "o".

```
SELECT first_name FROM customer WHERE first_name LIKE 'a%o';
```

20. Get the films with pg and pg-13 rating using IN operator.

```
SELECT title FROM film WHERE rating IN ('PG', 'PG-13');
```

21. Get the films with length between 50 to 100 using between operator.

```
SELECT * FROM film WHERE length BETWEEN 50 AND 100;
```

22. Get the top 50 actors using limit operator.

```
SELECT * FROM actor LIMIT 50;
```

23. Get the distinct film ids from the inventory table.
`SELECT DISTINCT film_id FROM inventory;`