Description of Data

The Sakila sample database was provided by MySQL. It was designed to represent an online DVD rental store. The database contains 22 tables, 7 sample views and other stored features. The purpose for this assignment is to perform common operations using the Sakila sample database.

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| Tables\_in\_sakila |

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| actor |

| address |

| category |

| city |

| country |

| customer |

| customer\_list |

| film |

| film\_actor |

| film\_category |

| film\_list |

| film\_text |

| inventory |

| language |

| nicer\_but\_slower\_film\_list |

| payment |

| rental |

| sales\_by\_film\_category |

| sales\_by\_store |

| staff |

| staff\_list |

| store |

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Methodology

Using the Sakila database the following tasks were performed:

1. Viewing all records from a table.
   1. SELECT \* FROM [table name]
2. Viewing records from a table without knowing exact details
   1. SELECT actor\_id, last\_name

FROM actor

WHERE last\_name LIKE '%GEN%';

1. Viewing only selected records from a table
   1. SELECT last\_name,

COUNT(last\_name) AS last\_name\_count

FROM actor

GROUP BY last\_name

HAVING COUNT(last\_name) > 2;

1. Changing data in existing records in a table
   1. UPDATE actor

SET first\_name = ‘GROUCHO’

WHERE actor\_id = 172;

1. Locate a schema and re-create it.
   1. SHOW CREATE TABLE address;
   2. DESCRIBE address;
2. Using the SQL Joins clause to combine records from two or more tables
3. Using Sub Queries or nested queries
4. Creating a view, displaying and deleting it

Broad Summary / Conclusion

Overall the Sakila sample database allow me to use many of the most common used SQL commands and functions.

Limitations/Future Data Exploration ideas of Sakila

I’m sure limitations will be more evident as the user starts performing more advanced queries but, for a beginner like me, the Sakila database is great starting point.