Unit 2

day 1

Lab SQL intro

Links to sakila instructions to load database - specific to your client or you could run from command line

You can work with two sql query files - sakila-schema.sql (creates the schema) + sakila-data.sql inserts the data

The ERD is pictured above the instructions - not all tables are shown, but many of the key fields you will be using are visible

1. Review the tables in the database.
2. Explore tables by selecting all columns from each table or using the in built review features for your client
3. Select one column from a table: Get film titles.
4. Select one column from a table and alias it : Get unique list of film languages under the alias ‘language’ -NOTE we are not asking you to obtain the language per each film… but this is a good time to think about how you might get that information in the future.
5. Using select statements and reviewing how many records are returned, can you find out how many stores and staff does the company have? Can you return a list of employee first names only?
6. BONUS : How many unique days did customers rent movies in this dataset?

LAB SQL queries 2

1. Select all the actors with the first name ‘Scarlett’.
2. Select all the actors with the last name ‘Johansson’.
3. How many films (movies) total are available for rent?
4. How many films have been rented total ? How many unique films have been rented?
5. What is the shortest and longest rental period?
6. What are the shortest and longest movie duration? Name the values max\_duration and min\_duration.
7. What's the average movie duration?
8. What's the average movie duration expressed in format (hours, minutes)? Hint, you will need to use floor and %
9. How many movies are longer than 3 hours? Remember the duration is in minutes
10. Get the name and email of all customers, formatted nicely in two columns Example: Mary SMITH mary.smith@sakilacustomer.org
11. What's the length of the longest film title?