**Task 3.5**

1. Write some SQL queries to return a lists of films that meet the following conditions. Your results tables should include the columns “film\_ID,” “title,” and “description”. Download your SQL queries outputs as CSV files using the pgadmin inbuilt functionality. Merge them into one Excel file (.xlsx) and create a separate sheet for each query (label them 1a, 1b, 1c, etc.). You’ll use this file for all further questions in this Task too.

1a. Film title contains the word *Uptown* in any position

Graphical user interface, text, application

Description automatically generated

1b. Film length is more than 120 minutes and rental rate is more than 2.99

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1c. Rental duration is between 3 and 7 days (where 3 and 7 aren’t inclusive)

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1d. Film replacement cost is less than 14.99

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1e. Film rating is either PG or G

Graphical user interface

Description automatically generated

1. The query you wrote in step 1e returned a list of movies that meet certain criteria (film rating is either PG or G). The inventory team has asked for the following information about this list:

- Count of the movies  
- Average rental rate  
- Maximum rental duration and minimum rental duration

Text

Description automatically generated

3. To make the output easier for your coworkers to understand, give your aggregate columns the following aliases: “count of movies,” “average movie rental rate,” “maximum rental duration”, and “minimum rental duration”. Run the query and transfer the result into your Excel file on a new sheet as well as the code you used to get there.

**Refer to Tab “2” of Excel sheet**

4. The customer team would like to see the fields you calculated in step 3 grouped by rating. The totals in your results table should look the same as in step 3, but broken down by the rating column. Copy-paste your query and its output in your answers on a new sheet..

**Refer to Tab “2” of Excel sheet**