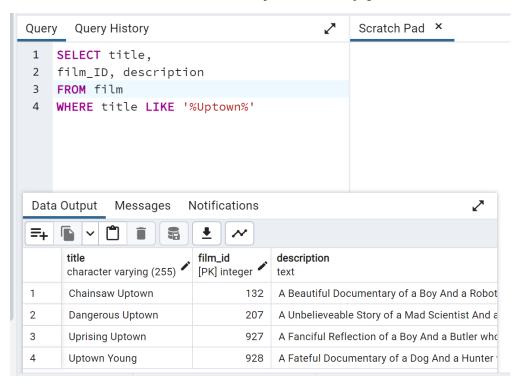
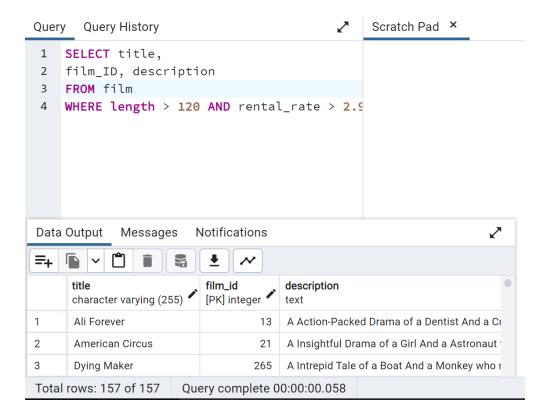
3.5 Filtering Data

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.

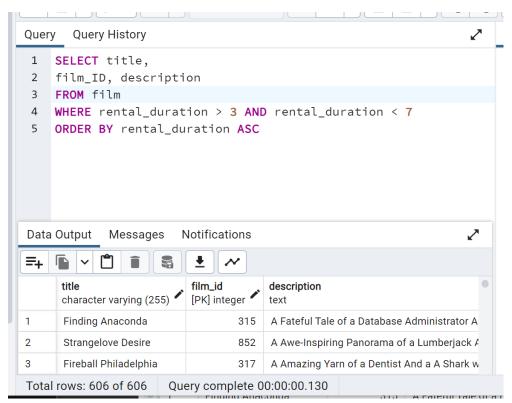
1.a Film title contains the word *Uptown* in any position



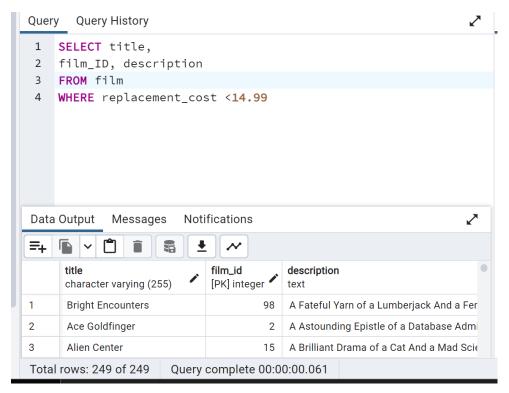
1.b Film length is more than 120 minutes and rental rate is more than 2.99



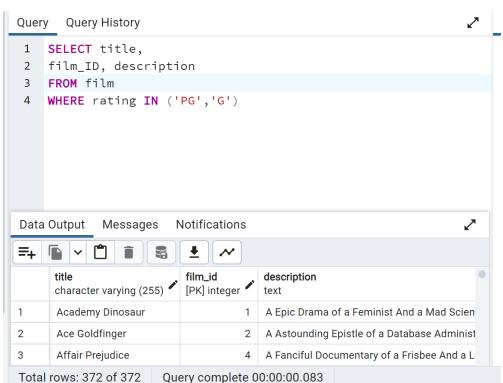
1.C Rental duration is between 3 and 7 days (where 3 and 7 aren't inclusive)



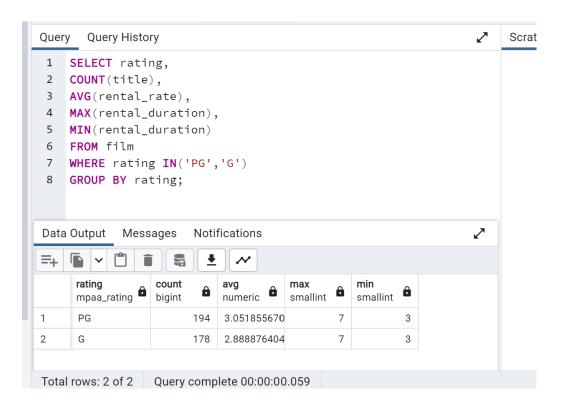
1.D Film replacement cost is less than 14.99



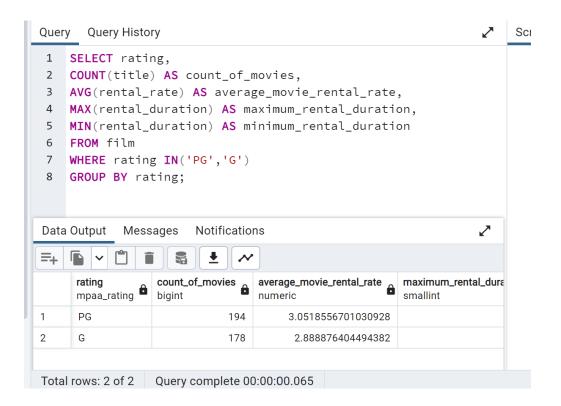
1.e: Film rating is either PG or G



- 2. 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



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.



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..

