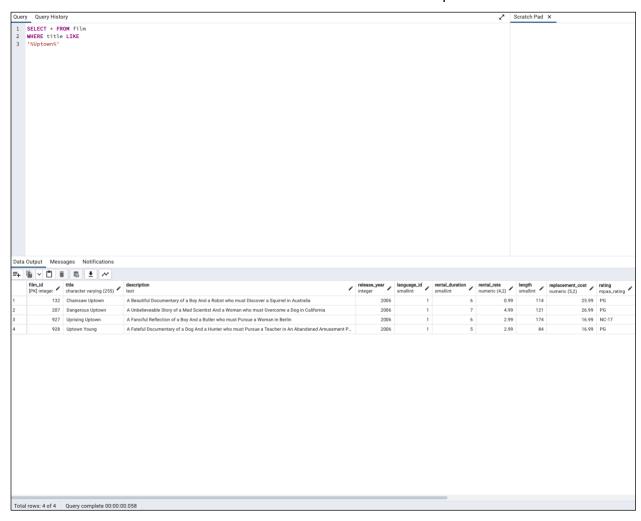
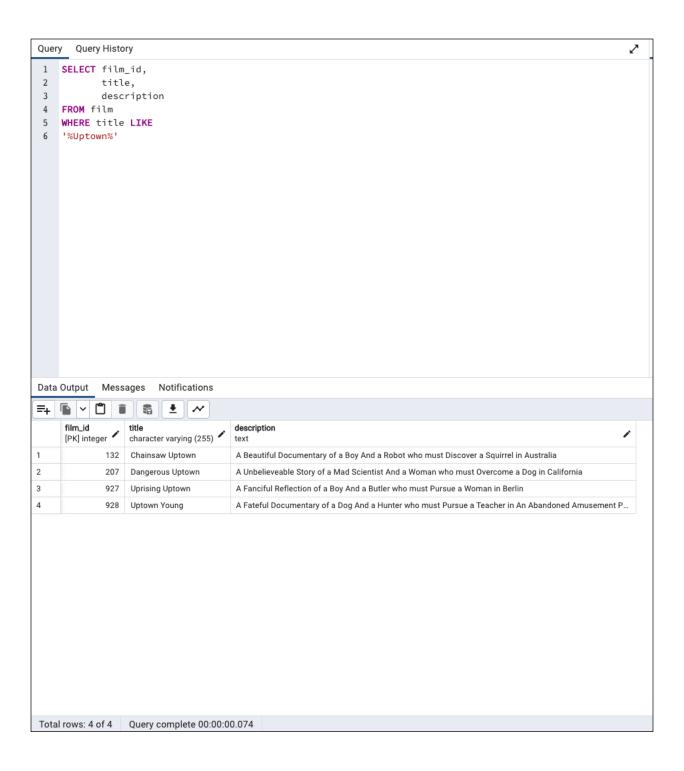
- 1. Write some SQL queries to return a lists of films that meet the following conditions. (Hint: These queries are not building upon each other, they are separate! Hence, when running the query for 1b. you don't need to take into account 1a, for example.) Your results tables should include the columns "film\_ID," "title," and "description".
- Film title contains the word Uptown in any position

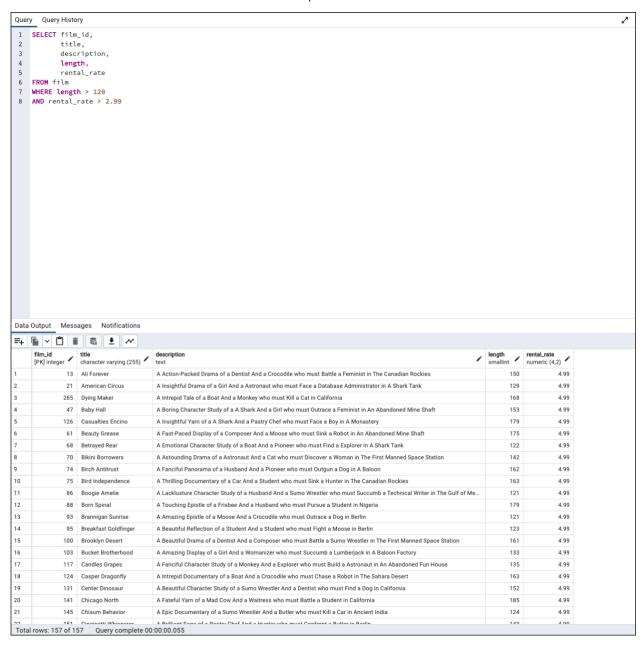
We want to find all the movies in the Rockbuster database with "Uptown" in the title.





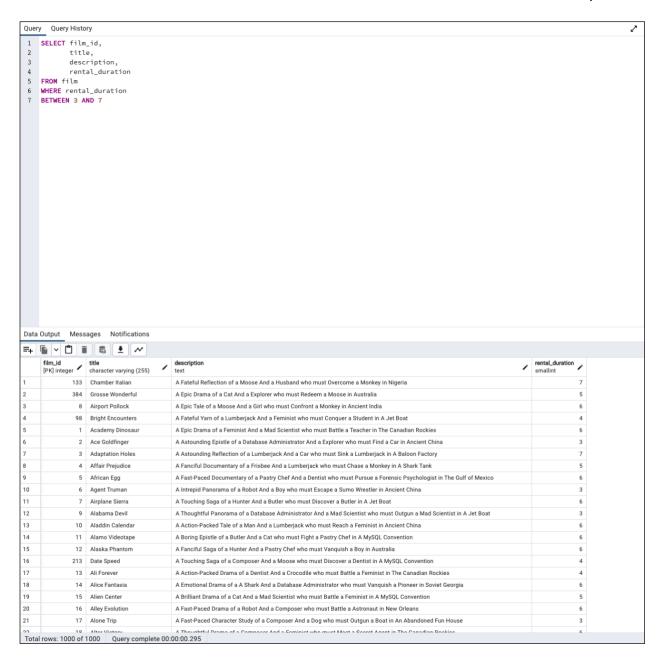
### Film length is more than 120 minutes and rental rate is more than 2.99

We want to find the film\_id, title, and description of movies that have a film length more than 120 minutes and rental rate of less than \$2.99.

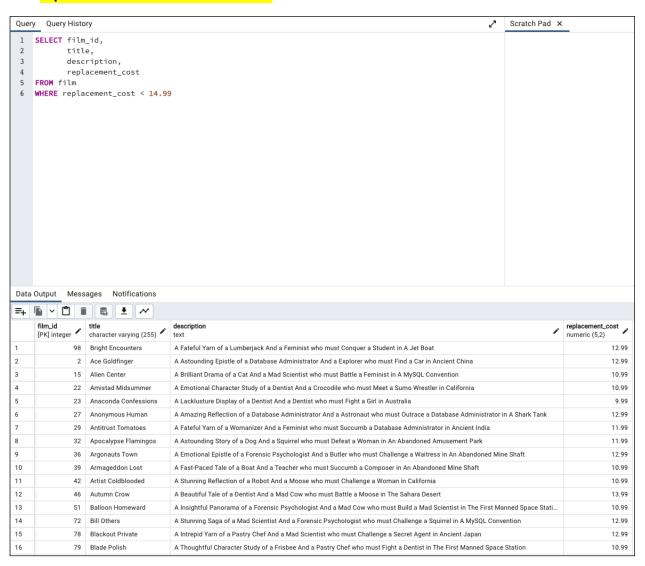


Rental duration is between 3 and 7 days (where 3 and 7 aren't inclusive)

We want to find movies in the database that have a rental duration between 3 and 7 days.

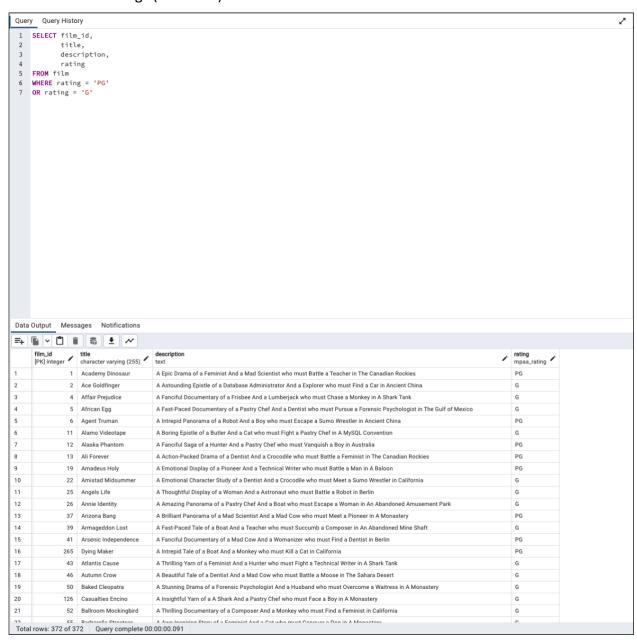


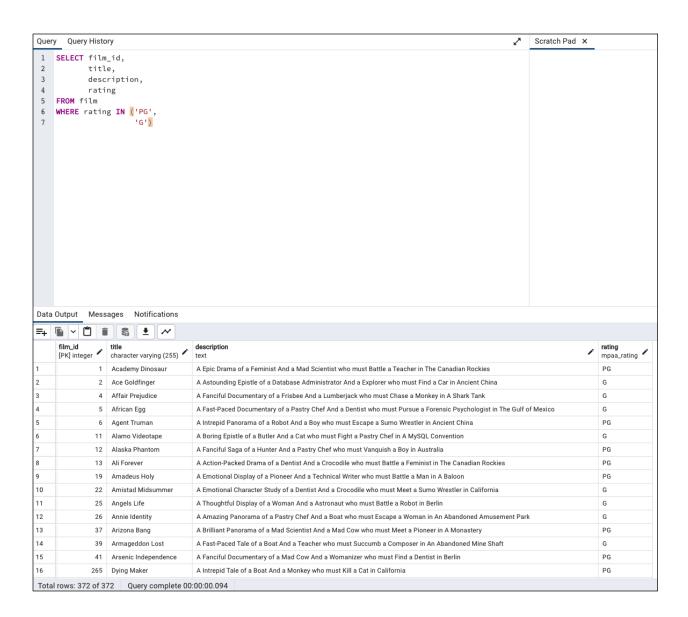
#### Film replacement cost is less than 14.99



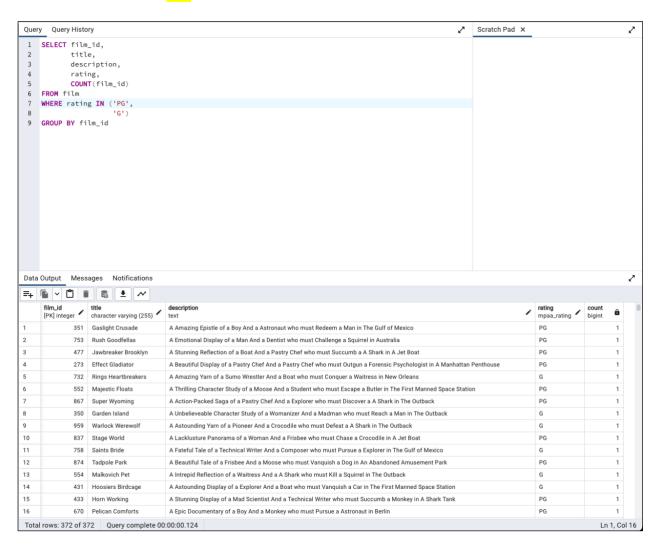
### Film rating is either PG or G

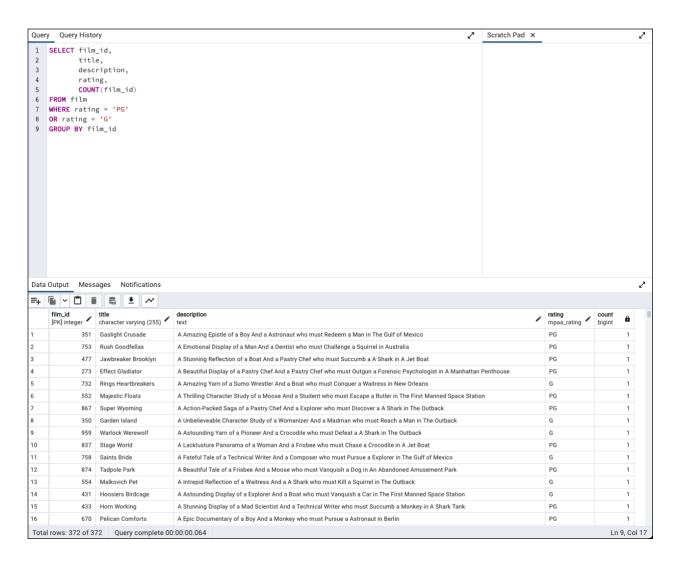
### We want both ratings (PG and G)

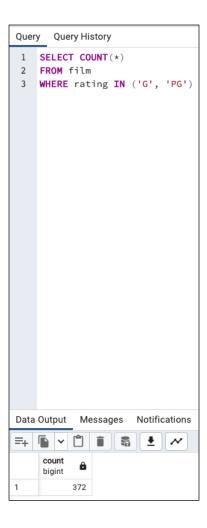




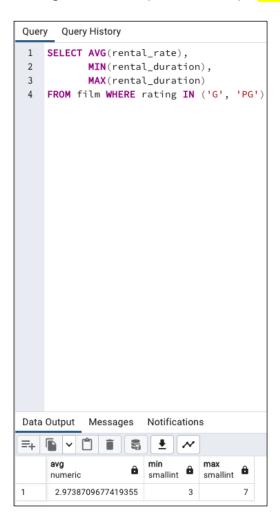
- 3. The query you wrote in step 1e returned a list of movies that meet certain criteria (film rating is either PG or G). The inventory team has asked for the following information about this list.
- Count of the movies = 372





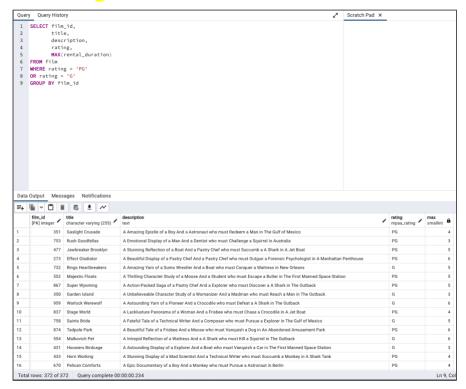


Average rental rate (3.05 + 2.89/2) = 2.97

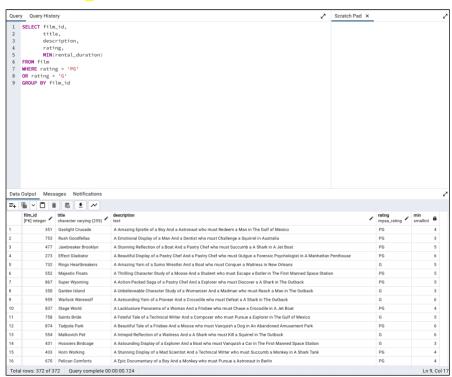


#### Maximum rental duration and minimum rental duration

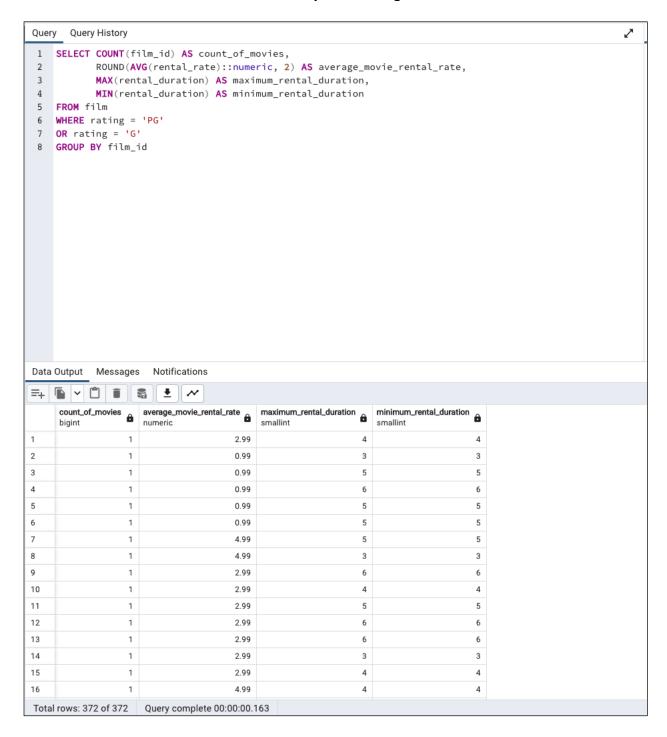
# Maximum = 7



# $Minimum = \frac{3}{2}$



4. 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.



5. 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 4, but broken down by the rating column. Copy-paste your query and its output in your answers on a new sheet.

