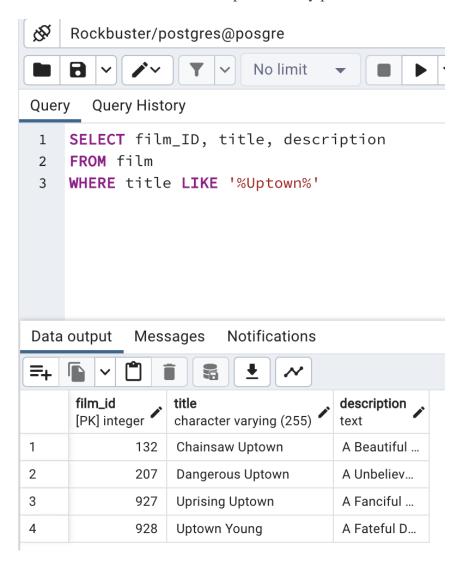
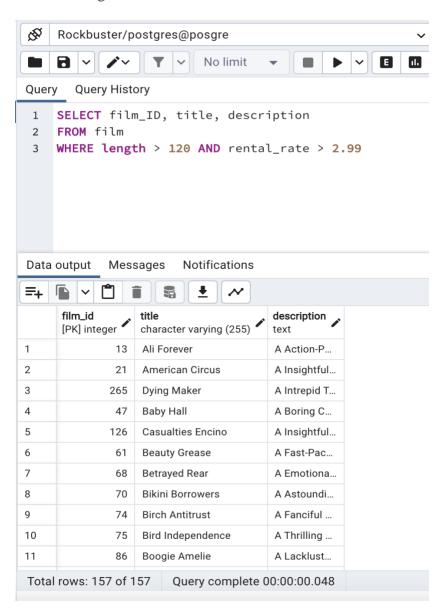
3.5 FILTERING DATA

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

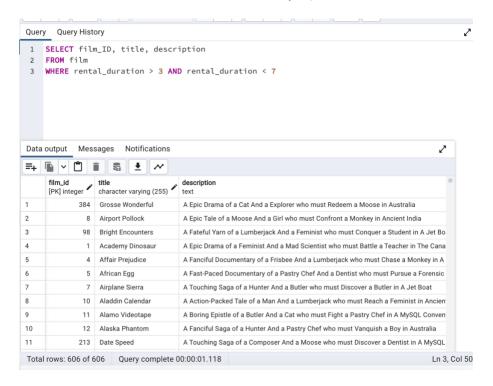
1a. Film title contains the word Uptown in any position



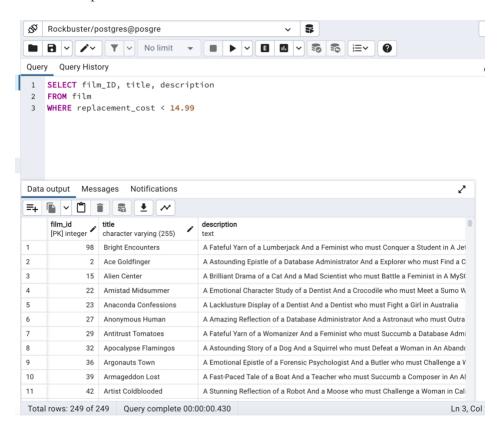
1b - Film length is more than 120 minutes and rental rate is more than 2.99

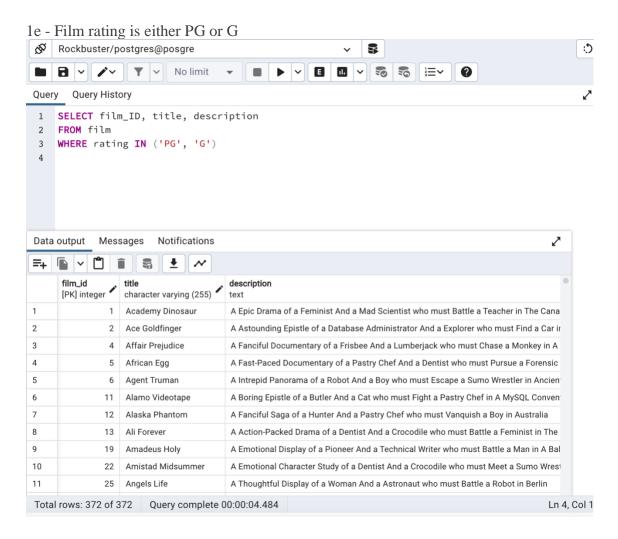


1c - Rental duration is between 3 and 7 days (where 3 and 7 aren't inclusive)



1d - Film replacement cost is less than 14.99





- 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

SELECT rating,
COUNT(title) AS number_of_film,
AVG(rental_rate) AS average_movie_rental_rate,
MAX(rental_duration) AS maximum_rental_duration,
MIN(rental_duration) AS minimum_rental_duration
FROM film
WHERE rating IN ('PG', 'G')
GROUP BY rating;

