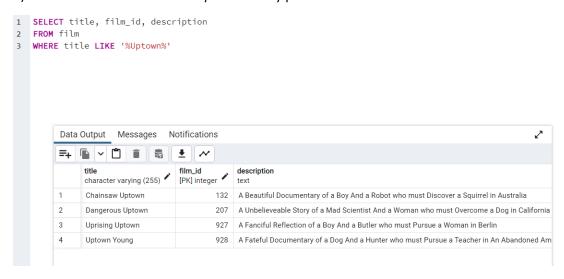
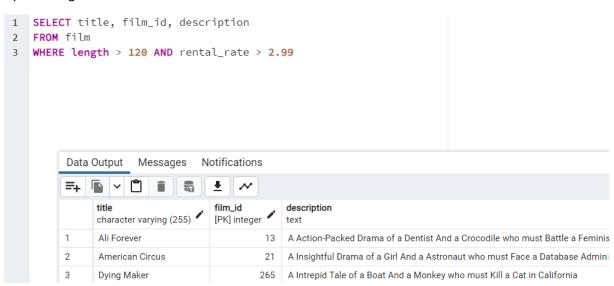
3.5: Filtering Data

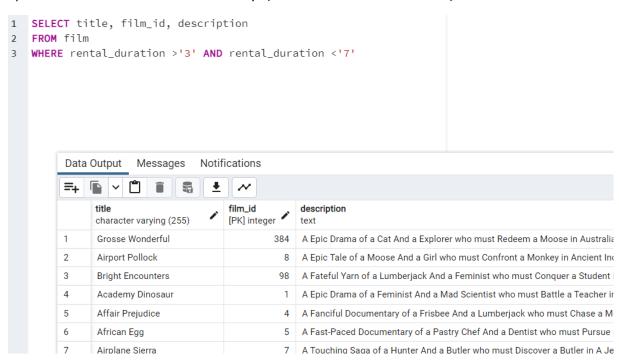
- 1. Write some SQL queries to return a lists of films that meet the following conditions. (**Hint:** These queries are not building upon each other, they are separate! Hence, when running the query for 1b. you don't need to take into account 1a, for example.) Your results tables should include the columns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



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



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



d) Film replacement cost is less than 14.99

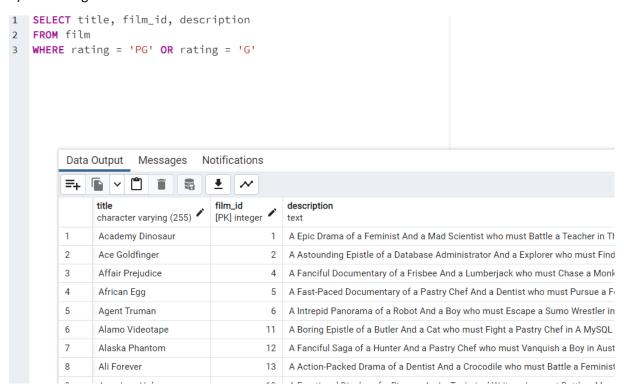


2 FROM TILM

3 WHERE replacement_cost < 14.99</pre>

Data Output Messages Notifications			
	title character varying (255)	film_id [PK] integer	description text
1	Bright Encounters	98	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A
2	Ace Goldfinger	2	A Astounding Epistle of a Database Administrator And a Explorer who must Find
3	Alien Center	15	A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A N
4	Amistad Midsummer	22	A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sun
5	Anaconda Confessions	23	A Lacklusture Display of a Dentist And a Dentist who must Fight a Girl in Austral
6	Anonymous Human	27	A Amazing Reflection of a Database Administrator And a Astronaut who must 0
-		00	reserve the state of the state of

e) Film rating is either PG or G



- 2. Please find the document in the other attachment.
- 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.
 - 1. Count of the movies \rightarrow 372
 - 2. Average rental rate → 2,9734
 - 3. Maximum rental duration and minimum rental duration \rightarrow 7,3



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 into your answers on a new sheet.

