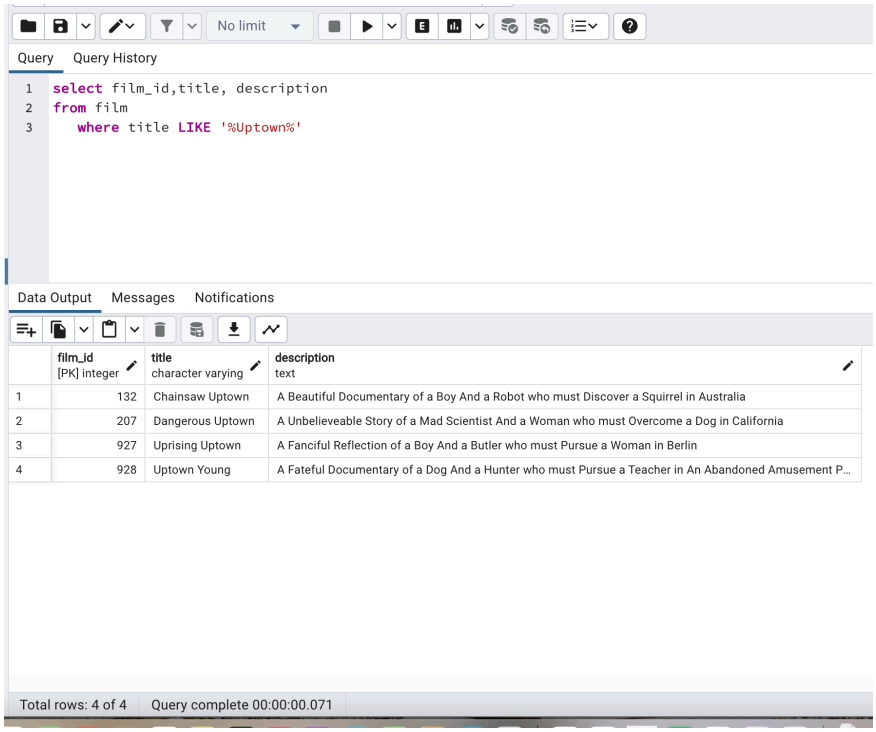
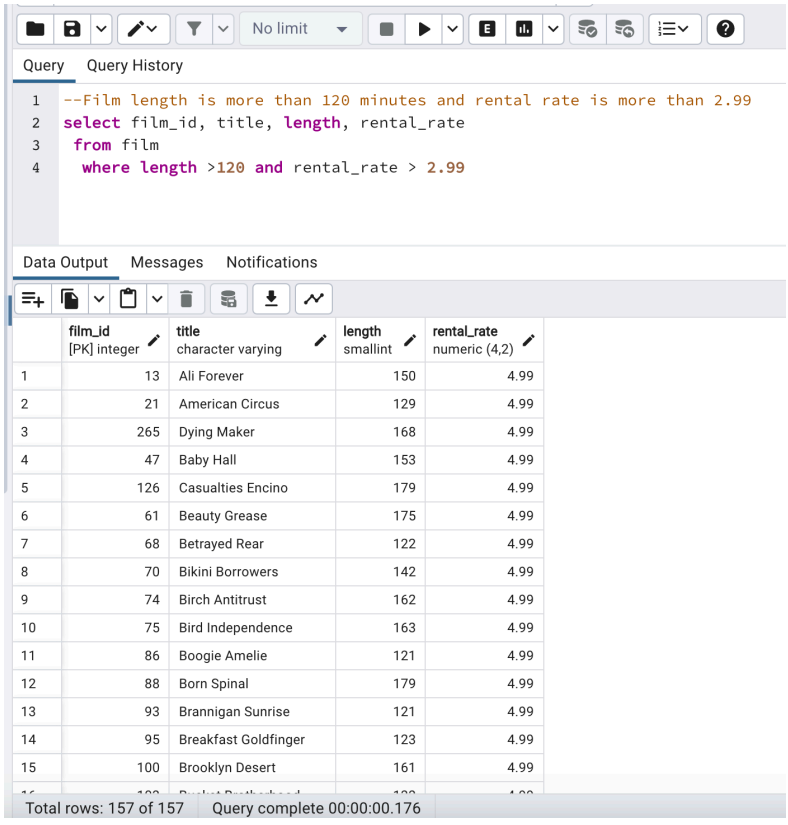
3.5: Filtering Data

- Film title contains the word *Uptown* in any position



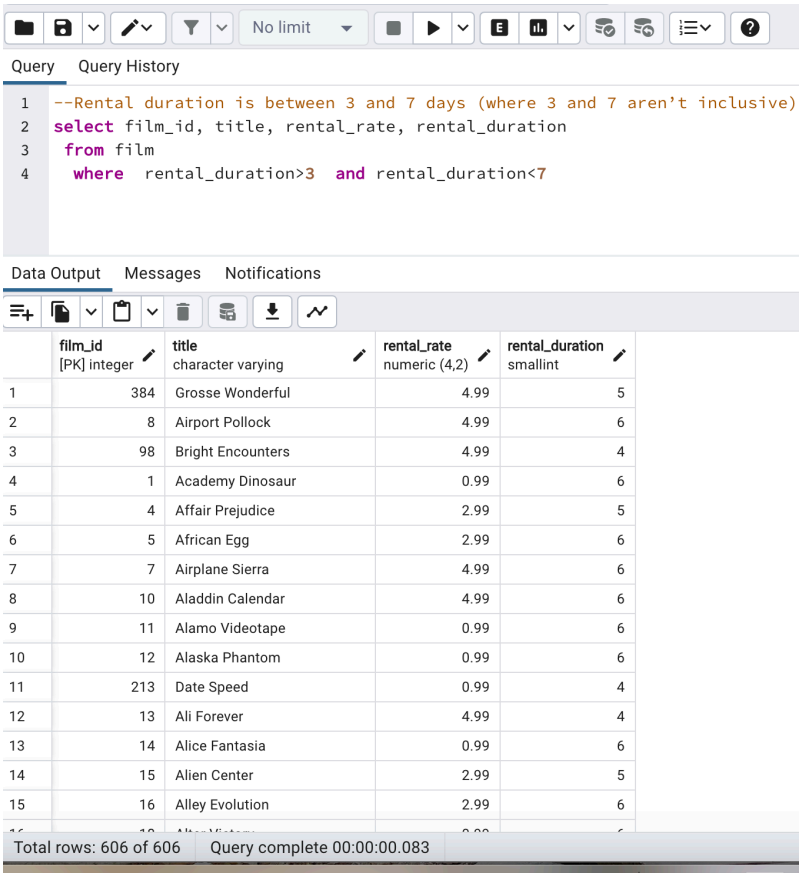
SELECT film_id, title, description FROM film WHERE title LIKE '%Uptown%'

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



SELECT film_id, title, length, rental_rate FROM film WHERE length >120 AND rental_rate > 2.99

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



SELECT film_id, title, rental_rate, rental_duration FROM film WHERE rental_duration>3 AND rental_duration<7

- Film replacement cost is less than 14.99

select title, rating, replacement_cost from film where replacement_cost < 14.99

```
--Film replacement cost is less than 14.99
select title, rating, replacement_cost
 from film
 where replacement_cost < 14.99
```

Data Output | Messages | Notifications

	title character varying	rating mpaa_rating	replacement_cost numeric (5,2)
1	Bright Encounters	PG-13	12.99
2	Ace Goldfinger	G	12.99
3	Alien Center	NC-17	10.99
4	Amistad Midsummer	G	10.99
5	Anaconda Confessions	R	9.99
6	Anonymous Human	NC-17	12.99
7	Antitrust Tomatoes	NC-17	11.99
8	Apocalypse Flamingos	R	11.99
9	Argonauts Town	PG-13	12.99
10	Armageddon Lost	G	10.99
11	Artist Coldblooded	NC-17	10.99
12	Autumn Crow	G	13.99
13	Balloon Homeward	NC-17	10.99
14	Bill Others	PG	12.99
15	Blackout Private	PG	12.99

Total rows: 249 of 249 | Query complete 00:00:00.128

- Film rating is either PG or G

```
-- Film rating is either PG or G
select film_id, title, rating
 from film
 where rating = 'PG' or rating = 'G'
```

Data Output | Messages | Notifications

	film_id [PK] integer	title character varying	rating mpaa_rating
1	1	Academy Dinosaur	PG
2	2	Ace Goldfinger	G
3	4	Affair Prejudice	G
4	5	African Egg	G
5	6	Agent Truman	PG
6	11	Alamo Videotape	G
7	12	Alaska Phantom	PG
8	13	Ali Forever	PG
9	19	Amadeus Holy	PG
10	22	Amistad Midsummer	G
11	25	Angels Life	G
12	26	Annie Identity	G
13	37	Arizona Bang	PG
14	39	Armageddon Lost	G
15	41	Arsenic Independence	PG

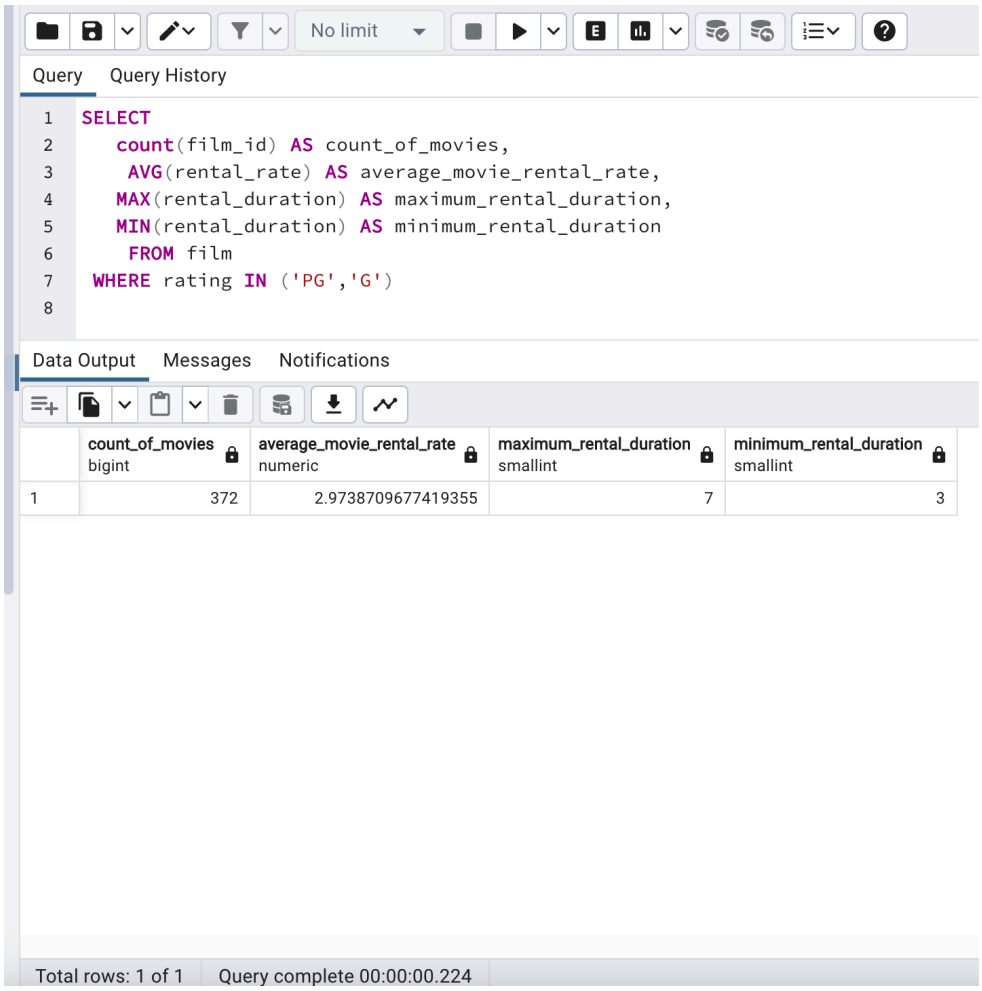
Total rows: 372 of 372 | Query complete 00:00:00.141

SELECT film_id, title, rating FROM film

WHERE rating = 'PG' OR rating = '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 count(film_id) AS count_of_movies,
 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')
```



- The customer team would like to see the fields grouped by rating.

SELECT rating, count(film_id) AS count_of_movies,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 ='PG' OR rating = 'G' GROUP BY rating