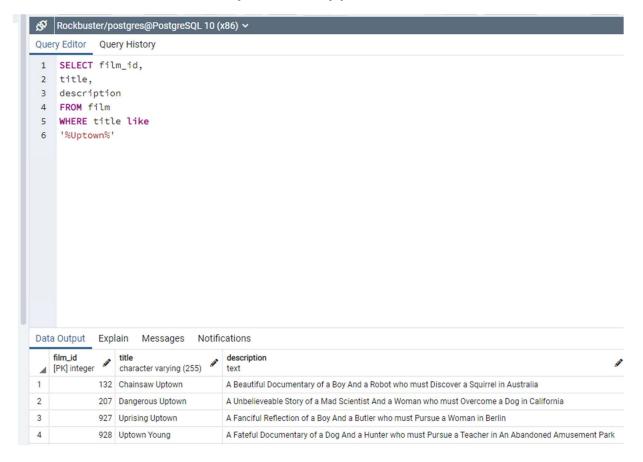# FILTERING DATA
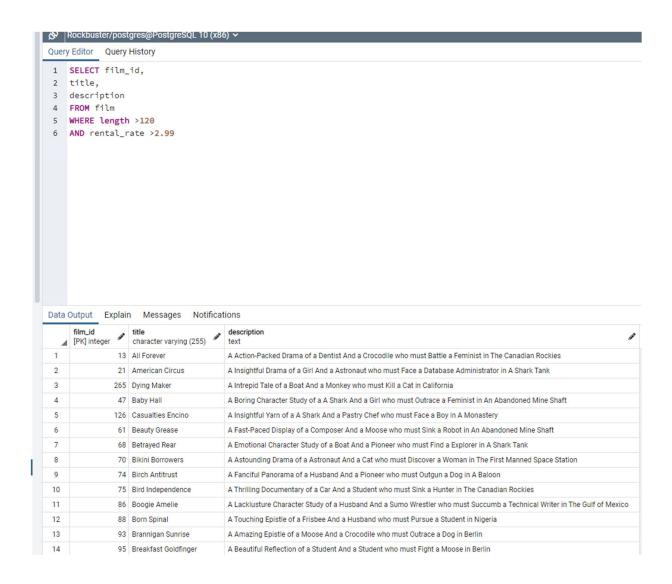
Film title contains the word Uptown in any position

Film length is more than 120 mins and rental rate is more than 2.99

Rockbuster/postgres@PostgreSQL 10 (x86)

Query Editor   Query History

```sql
1   SELECT film_id,
2   title,
3   description
4   FROM film
5   WHERE length >120
6   AND rental_rate >2.99
```

Data Output   Explain   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies
2	21	American Circus	A Insightful Drama of a Girl And a Astronaut who must Face a Database Administrator in A Shark Tank
3	265	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California
4	47	Baby Hall	A Boring Character Study of a A Shark And a Girl who must Outrace a Feminist in An Abandoned Mine Shaft
5	126	Casualties Encino	A Insightful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery
6	61	Beauty Grease	A Fast-Paced Display of a Composer And a Moose who must Sink a Robot in An Abandoned Mine Shaft
7	68	Betrayed Rear	A Emotional Character Study of a Boat And a Pioneer who must Find a Explorer in A Shark Tank
8	70	Bikini Borrowers	A Astounding Drama of a Astronaut And a Cat who must Discover a Woman in The First Manned Space Station
9	74	Birch Antitrust	A Fanciful Panorama of a Husband And a Pioneer who must Outgun a Dog in A Baloon
10	75	Bird Independence	A Thrilling Documentary of a Car And a Student who must Sink a Hunter in The Canadian Rockies
11	86	Boogie Amelie	A Lacklusture Character Study of a Husband And a Sumo Wrestler who must Succumb a Technical Writer in The Gulf of Mexico
12	88	Born Spinal	A Touching Epistle of a Frisbee And a Husband who must Pursue a Student in Nigeria
13	93	Brannigan Sunrise	A Amazing Epistle of a Moose And a Crocodile who must Outrace a Dog in Berlin
14	95	Breakfast Goldfinger	A Beautiful Reflection of a Student And a Student who must Fight a Moose in Berlin

Rental duration is between 3 and 7 days (where 3 and 7 are not included)

Rockbuster/postgres@PostgreSQL 10 (x86) ∨

Query Editor   Query History

```sql
1  SELECT film_id,
2  title,
3  description
4  FROM film
5  WHERE rental_duration >3 AND rental_duration <7
6  ORDER BY rental_duration ASC
```

Data Output   Explain   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	315	Finding Anaconda	A Fateful Tale of a Database Administrator And a Girl who must Battle a Squirrel in New Orleans
2	852	Strangelove Desire	A Awe-Inspiring Panorama of a Lumberjack And a Waitress who must Defeat a Crocodile in An Abandoned Amusement Park
3	317	Fireball Philadelphia	A Amazing Yarn of a Dentist And a A Shark who must Vanquish a Madman in An Abandoned Mine Shaft
4	319	Fish Opus	A Touching Display of a Feminist And a Girl who must Confront a Astronaut in Australia
5	320	Flamingos Connecticut	A Fast-Paced Reflection of a Composer And a Composer who must Meet a Cat in The Sahara Desert
6	989	Working Microcosmos	A Stunning Epistle of a Dentist And a Dog who must Kill a Madman in Ancient China
7	601	Moulin Wake	A Astounding Story of a Forensic Psychologist And a Cat who must Battle a Teacher in An Abandoned Mine Shaft
8	596	Moonshine Cabin	A Thoughtful Display of a Astronaut And a Feminist who must Chase a Frisbee in A Jet Boat
9	329	Forrest Sons	A Thrilling Documentary of a Forensic Psychologist And a Butler who must Defeat a Explorer in A Jet Boat
10	588	Model Fish	A Beautiful Panorama of a Boat And a Crocodile who must Outrace a Dog in Australia
11	586	Mockingbird Hollywood	A Thoughtful Panorama of a Man And a Car who must Sink a Composer in Berlin
12	85	Bonnie Holocaust	A Fast-Paced Story of a Crocodile And a Robot who must Find a Moose in Ancient Japan
13	843	Steel Santa	A Fast-Paced Yarn of a Composer And a Frisbee who must Face a Moose in Nigeria
14	585	Mob Duffel	A Unbelieveable Documentary of a Frisbee And a Boat who must Meet a Boy in The Canadian Rockies
15			

Film replacement cost is less than 14.99

Rockbuster/postgres@PostgreSQL 10 (x86) ∨

Query Editor   Query History

```
1  SELECT film_id,
2  title,
3  description
4  FROM film
5  WHERE replacement_cost <14.99
6  ORDER BY replacement_cost ASC
```

Data Output   Explain   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	203	Daisy Menagerie	A Fast-Paced Saga of a Pastry Chef And a Monkey who must Sink a Composer in Ancient India
2	627	North Tequila	A Beautiful Character Study of a Mad Cow And a Robot who must Reach a Womanizer in New Orleans
3	880	Telemark Heartbreakers	A Action-Packed Panorama of a Technical Writer And a Man who must Build a Forensic Psychologist in A Manhattan Penthouse
4	931	Valentine Vanishing	A Thrilling Display of a Husband And a Butler who must Reach a Pastry Chef in California
5	221	Deliverance Mulholland	A Astounding Saga of a Monkey And a Moose who must Conquer a Butler in A Shark Tank
6	551	Maiden Home	A Lacklustre Saga of a Moose And a Teacher who must Kill a Forensic Psychologist in A MySQL Convention
7	389	Gunfighter Mussolini	A Touching Saga of a Robot And a Boy who must Kill a Man in Ancient Japan
8	845	Stepmom Dream	A Touching Epistle of a Crocodile And a Teacher who must Build a Forensic Psychologist in A MySQL Convention
9	629	Notorious Reunion	A Amazing Epistle of a Woman And a Squirrel who must Fight a Hunter in A Baloon
10	996	Young Language	A Unbelieveable Yarn of a Boat And a Database Administrator who must Meet a Boy in The First Manned Space Station
11	886	Theory Mermaid	A Fateful Yarn of a Composer And a Monkey who must Vanquish a Womanizer in The First Manned Space Station
12	260	Dude Blindness	A Stunning Reflection of a Husband And a Lumberjack who must Face a Frisbee in An Abandoned Fun House
13	915	Truman Crazy	A Thrilling Epistle of a Moose And a Boy who must Meet a Database Administrator in A Monastery
14	912	Trojan Tomorrow	A Astounding Panorama of a Husband And a Sumo Wrestler who must Pursue a Boat in Ancient India

Film rating is either PG or G

Rockbuster/postgres@PostgreSQL 10 (x86) ∨

Query Editor   Query History

```sql
1  SELECT film_id,
2  title,
3  description
4  FROM film
5  WHERE rating = 'PG' OR rating = 'G'
```

Data Output   Explain   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies
2	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank
4	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico
5	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China
6	11	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention
7	12	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia
8	13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies
9	19	Amadeus Holy	A Emotional Display of a Pioneer And a Technical Writer who must Battle a Man in A Baloon
10	22	Amistad Midsummer	A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California
11	25	Angels Life	A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin
12	26	Annie Identity	A Amazing Panorama of a Pastry Chef And a Boat who must Escape a Woman in An Abandoned Amusement Park
13	37	Arizona Bang	A Brilliant Panorama of a Mad Scientist And a Mad Cow who must Meet a Pioneer in A Monastery
14	39	Armageddon Lost	A Fast-Paced Tale of a Boat And a Teacher who must Succumb a Composer in An Abandoned Mine Shaft

The query you wrote in step 1e returned a list of movies that meet certain criteria (film rating is either PG or G)

```
1   SELECT rating,
2   COUNT (film_id) AS count_of_movies,
3   AVG (rental_rate) AS average_rental_rate,
4   MIN (rental_duration) AS max_rental_duration,
5   MAX (rental_duration) AS max_rental_duration
6   FROM film
7   WHERE rating = 'PG' OR rating = 'G'
8   Group by rating
```

Data Output   Explain   Messages   Notifications

rating mpaa_rating	count_of_movies bigint	average_rental_rate numeric	max_rental_duration smallint	max_rental_duration smallint
1	G	178	2.8888764044943820	3	7
2	PG	194	3.0518556701030928	3	7