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

```
1  SELECT film_id, title, description FROM film WHERE title = '%Uptown%';
```

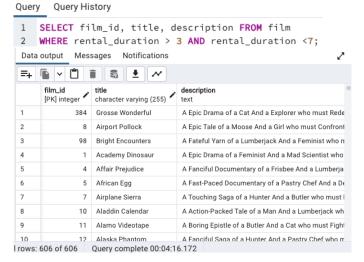| film_id [PK] integer	title character varying (255)	description text
1	132	Chainsaw Uptown	A Beautiful ...
2	207	Dangerous Uptown	A Unbeliev...
3	927	Uprising Uptown	A Fanciful ...
4	928	Uptown Young	A Fateful D...

1b. Film length is more than 120 minutes and rental rate is more than 2.99
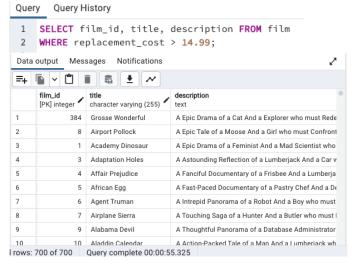
Query   Query History

```
1  SELECT film_id, title, description FROM film
2  WHERE length > 120 AND rental_rate >2.99;
```

Data output   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 St...
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 ...
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
15	100	Brooklyn Desert	A Beautiful Drama of a Dentist And a Composer who must Battle a Sumo Wrestler in The First Manned Sp...
16	103	Bucket Brotherhood	A Amazing Display of a Girl And a Womanizer who must Succumb a Lumberjack in A Baloon Factory
17	117	Candles Grapes	A Fanciful Character Study of a Monkey And a Explorer who must Build a Astronaut in An Abandoned Fun ...
18	124	Casper Dragonfly	A Intrepid Documentary of a Boat And a Crocodile who must Chase a Robot in The Sahara Desert
19	131	Center Dinosaur	A Beautiful Character Study of a Sumo Wrestler And a Dentist who must Find a Dog in California
20	141	Chicago North	A Fateful Yarn of a Mad Cow And a Waitress who must Battle a Student in California
21	145	Chisum Behavior	A Epic Documentary of a Sumo Wrestler And a Butler who must Kill a Car in Ancient India
22	151	Cincinatti Whisperer	A Brilliant Saga of a Pastry Chef And a Hunter who must Confront a Butler in Berlin
23	156	Clerks Angels	A Thrilling Display of a Sumo Wrestler And a Girl who must Confront a Man in A Baloon
24	174	Confidential Interview	A Stunning Reflection of a Cat And a Woman who must Find a Astronaut in Ancient Japan
25	177	Connecticut Tramp	A Unbelieveable Drama of a Crocodile And a Mad Cow who must Reach a Dentist in A Shark Tank
26	179	Conquerer Nuts	A Taut Drama of a Mad Scientist And a Man who must Escape a Pioneer in An Abandoned Mine Shaft
27	182	Control Anthem	A Fateful Documentary of a Robot And a Student who must Battle a Cat in A Monastery
28	190	Creepers Kane	A Awe-Inspiring Reflection of a Squirrel And a Boat who must Outrace a Car in A Jet Boat
29	202	Daddy Pittsburgh	A Epic Story of a A Shark And a Student who must Confront a Explorer in The Gulf of Mexico
30	207	Dangerous Uptown	A Unbelieveable Story of a Mad Scientist And a Woman who must Overcome a Dog in California

Total rows: 157 of 157   Query complete 00:02:41.479   Ln 2, Col 42

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

Query   Query History

```sql
1  SELECT film_id, title, description FROM film
2  WHERE rental_duration > 3 AND rental_duration <7;
```

Data output   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	384	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Rede
2	8	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront
3	98	Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who n
4	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who
5	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberja
6	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a De
7	7	Airplane Sierra	A Touching Saga of a Hunter And a Butler who must I
8	10	Aladdin Calendar	A Action-Packed Tale of a Man And a Lumberjack wh
9	11	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight
10	12	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who m

rows: 606 of 606   Query complete 00:04:16.172

1d. Film replacement cost is less than 14.99

Query   Query History

```sql
1  SELECT film_id, title, description FROM film
2  WHERE replacement_cost > 14.99;
```

Data output   Messages   Notifications

	film_id [PK] integer	title character varying (255)	description text
1	384	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Rede
2	8	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront
3	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who
4	3	Adaptation Holes	A Astounding Reflection of a Lumberjack And a Car v
5	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberja
6	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a De
7	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must
8	7	Airplane Sierra	A Touching Saga of a Hunter And a Butler who must I
9	9	Alabama Devil	A Thoughtful Panorama of a Database Administrator
10	10	Aladdin Calendar	A Action-Packed Tale of a Man And a Lumberjack wh

rows: 700 of 700   Query complete 00:00:55.325

1e. Film rating is either PG or G

Query   Query History

```sql
1  SELECT film_id, title, description FROM film
2  WHERE rating IN ('PG','G');
```

Data output   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 v
2	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumb
4	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And
5	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who m
6	11	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must F
7	12	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef wh
8	13	Ali Forever	A Action-Packed Drama of a Dentist And a Croco
9	19	Amadeus Holy	A Emotional Display of a Pioneer And a Technical
10	22	Amistad Midsummer	A Emotional Character Study of a Dentist And a C

rows: 372 of 372   Query complete 00:02:19.921

2 & 3 & 4. 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

Query   Query History

```
1  SELECT rating, COUNT (film_id) AS count_of_movies,
2  AVG(rental_rate) AS average_movie_rental_rate,
3  MAX(rental_duration) AS maximum_rental_duration,
4  MIN(rental_duration) AS minimum_rental_duration
5  FROM film
6  GROUP BY rating
7  HAVING rating IN ('PG','G');
```

Data output   Messages   Notifications

	rating mpaa_rating	count_of_movies bigint	average_movie_rental_rate numeric	maximum_rental_duration smallint	minimum_rental_duration smallint
1	PG	194	3.0518556701030928	7	3
2	G	178	2.888876404494382	7	3