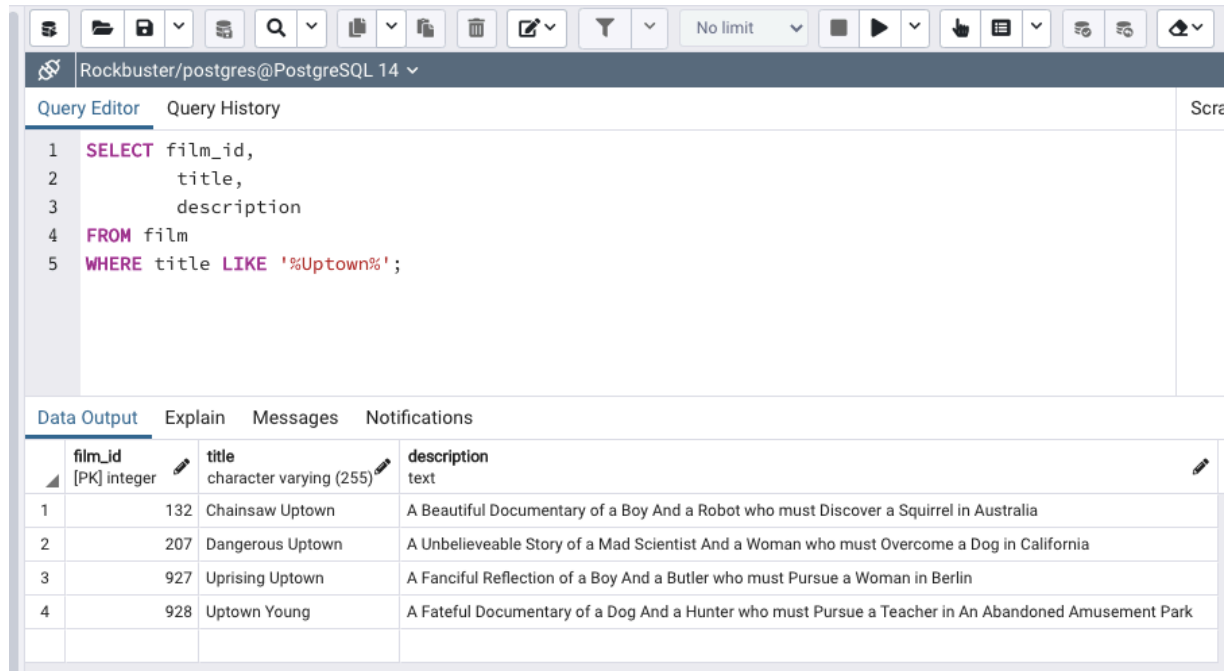


3.5

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



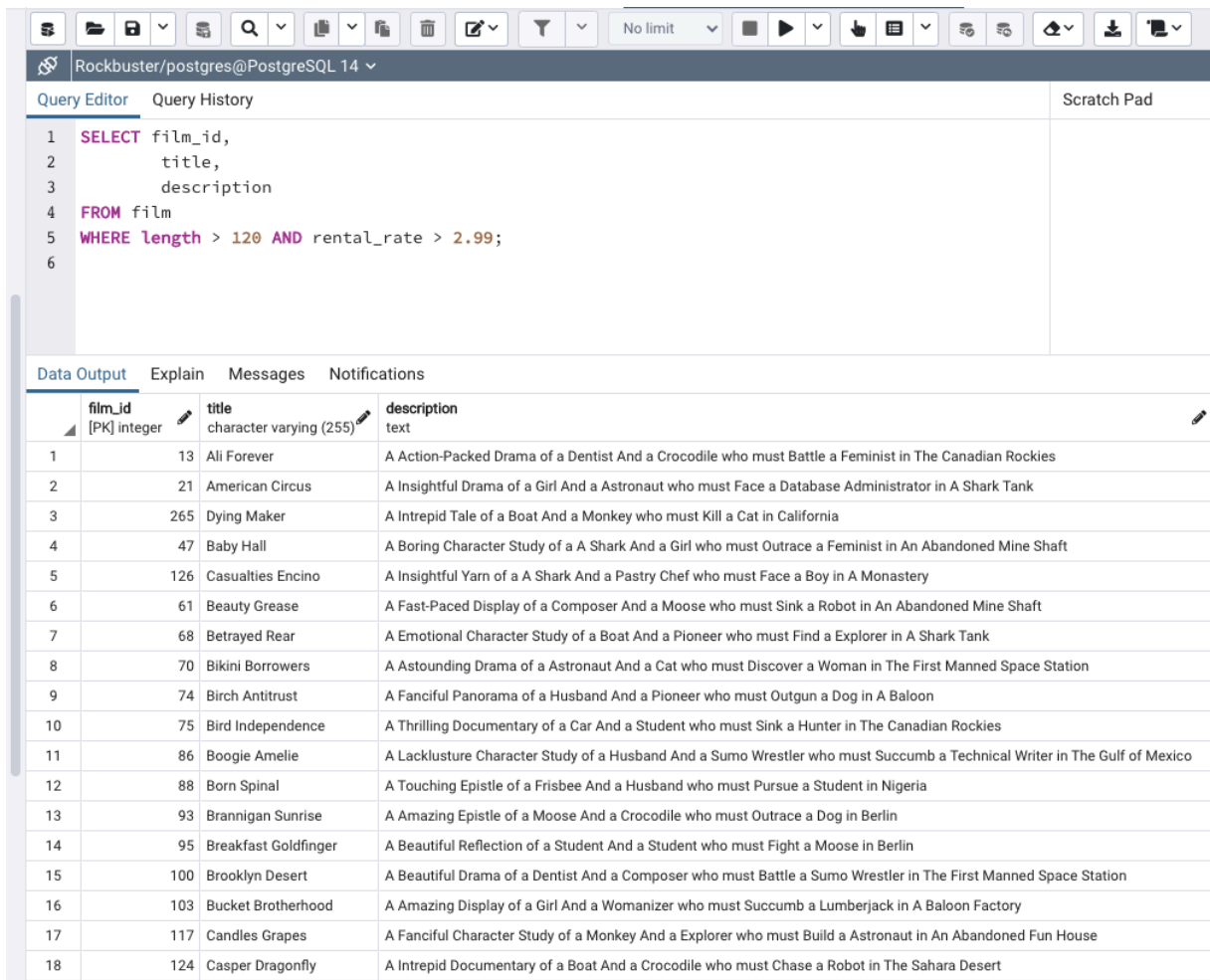
The screenshot shows a PostgreSQL query editor interface. The query editor tab is active, displaying the following SQL query:

```
1 SELECT film_id,
2        title,
3        description
4 FROM film
5 WHERE title LIKE '%Uptown%';
```

Below the query editor, the 'Data Output' tab is active, showing the results of the query. The results are displayed in a table with the following columns: film_id, title, and description.

film_id	title	description
132	Chainsaw Uptown	A Beautiful Documentary of a Boy And a Robot who must Discover a Squirrel in Australia
207	Dangerous Uptown	A Unbelievable Story of a Mad Scientist And a Woman who must Overcome a Dog in California
927	Uprising Uptown	A Fanciful Reflection of a Boy And a Butler who must Pursue a Woman in Berlin
928	Uptown Young	A Fateful Documentary of a Dog And a Hunter who must Pursue a Teacher in An Abandoned Amusement Park

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



The screenshot shows a PostgreSQL query editor interface. The query editor tab is active, displaying the following SQL query:

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

Below the query editor, the 'Data Output' tab is active, showing the results of the query. The results are displayed in a table with the following columns: film_id, title, and description.

film_id	title	description
13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies
21	American Circus	A Insightful Drama of a Girl And a Astronaut who must Face a Database Administrator in A Shark Tank
265	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California
47	Baby Hall	A Boring Character Study of a A Shark And a Girl who must Outrace a Feminist in An Abandoned Mine Shaft
126	Casualties Encino	A Insightful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery
61	Beauty Grease	A Fast-Paced Display of a Composer And a Moose who must Sink a Robot in An Abandoned Mine Shaft
68	Betrayed Rear	A Emotional Character Study of a Boat And a Pioneer who must Find a Explorer in A Shark Tank
70	Bikini Borrowers	A Astounding Drama of a Astronaut And a Cat who must Discover a Woman in The First Manned Space Station
74	Birch Antitrust	A Fanciful Panorama of a Husband And a Pioneer who must Outgun a Dog in A Baloon
75	Bird Independence	A Thrilling Documentary of a Car And a Student who must Sink a Hunter in The Canadian Rockies
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
88	Born Spinal	A Touching Epistle of a Frisbee And a Husband who must Pursue a Student in Nigeria
93	Brannigan Sunrise	A Amazing Epistle of a Moose And a Crocodile who must Outrace a Dog in Berlin
95	Breakfast Goldfinger	A Beautiful Reflection of a Student And a Student who must Fight a Moose in Berlin
100	Brooklyn Desert	A Beautiful Drama of a Dentist And a Composer who must Battle a Sumo Wrestler in The First Manned Space Station
103	Bucket Brotherhood	A Amazing Display of a Girl And a Womanizer who must Succumb a Lumberjack in A Baloon Factory
117	Candles Grapes	A Fanciful Character Study of a Monkey And a Explorer who must Build a Astronaut in An Abandoned Fun House
124	Casper Dragonfly	A Intrepid Documentary of a Boat And a Crocodile who must Chase a Robot in The Sahara Desert

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

Query Editor	Query History	Scratch Pad
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; 7		
Data Output	Explain	Messages
film_id	title	description
[PK] integer	character varying (255)	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 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 Car 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 Moelin 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 Unbelievable Documentary of a Frisbee And a Boat who must Meet a Boy in The Canadian Rockies
15	581 Minority Kiss	A Insightful Display of a Lumberjack And a Sumo Wrestler who must Meet a Man in The Outback
16	939 Vertigo Northwest	A Unbelievable Display of a Mad Scientist And a Mad Scientist who must Outgun a Mad Cow in Ancient Japan
17	578 Million Ace	A Brilliant Documentary of a Womanizer And a Squirrel who must Find a Technical Writer in The Sahara Desert
18	93 Bravigan Sunrise	A Amazing Epistle of a Moose And a Crocodile who must Outrace a Dog in Berlin

- Film replacement cost is less than 14.99

Query Editor	Query History	Scratch Pad
1 SELECT film_id, 2 title, 3 description 4 FROM film 5 WHERE replacement_cost < 14.99; 6		
Data Output	Explain	Messages
film_id	title	description
[PK] integer	character varying (255)	text
1	98 Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat
2	2 Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China
3	15 Alien Center	A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention
4	22 Amistad Midsummer	A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California
5	23 Anaconda Confessions	A Lacklustre Display of a Dentist And a Dentist who must Fight a Girl in Australia
6	27 Anonymous Human	A Amazing Reflection of a Database Administrator And a Astronaut who must Outrace a Database Administrator in A Shark Tank
7	29 Antitrust Tomatoes	A Fateful Yarn of a Womanizer And a Feminist who must Succumb a Database Administrator in Ancient India
8	32 Apocalypse Flamingos	A Astounding Story of a Dog And a Squirrel who must Defeat a Woman in An Abandoned Amusement Park
9	36 Argonauts Town	A Emotional Epistle of a Forensic Psychologist And a Butler who must Challenge a Waitress in An Abandoned Mine Shaft
10	39 Armageddon Lost	A Fast-Paced Tale of a Boat And a Teacher who must Succumb a Composer in An Abandoned Mine Shaft
11	42 Artist Coldblooded	A Stunning Reflection of a Robot And a Moose who must Challenge a Woman in California
12	46 Autumn Crow	A Beautiful Tale of a Dentist And a Mad Cow who must Battle a Moose in The Sahara Desert
13	51 Balloon Homeward	A Insightful Panorama of a Forensic Psychologist And a Mad Cow who must Build a Mad Scientist in The First Manned Space Station
14	72 Bill Others	A Stunning Saga of a Mad Scientist And a Forensic Psychologist who must Challenge a Squirrel in A MySQL Convention
15	78 Blackout Private	A Intrepid Yarn of a Pastry Chef And a Mad Scientist who must Challenge a Secret Agent in Ancient Japan
16	79 Blade Polish	A Thoughtful Character Study of a Frisbee And a Pastry Chef who must Fight a Dentist in The First Manned Space Station
17	82 Blood Argonauts	A Boring Drama of a Explorer And a Man who must Kill a Lumberjack in A Manhattan Penthouse
18	84 Boiled Dares	A Awe-Inspiring Story of a Waitress And a Dog who must Discover a Dentist in Ancient Japan

- Film rating is either PG or G

Rockbuster/postgres@PostgreSQL 14

Query Editor Query History Scratch Pad

```

1 SELECT film_id,
2       title,
3       description
4 FROM film
5 WHERE rating IN ('PG','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
15	41	Arsenic Independence	A Fanciful Documentary of a Mad Cow And a Womanizer who must Find a Dentist in Berlin
16	265	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California
17	43	Atlantis Cause	A Thrilling Yarn of a Feminist And a Hunter who must Fight a Technical Writer in A Shark Tank
18	46	Autumn Crow	A Beautiful Tale of a Dentist And a Mad Cow who must Battle a Moose in The Sahara Desert
19	50	Baked Celeriac	A Stunning Drama of a Forensic Psychologist And a Husband who must Overcome a Waitress in A Monastery

✓ PostgreSQL 14/Rockbuster - Databases
✓ Server connected.

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

- Count of the movies
- Average rental rate
- Maximum rental duration and minimum rental duration

Hint: Run the query and transfer the result into your Excel file on a new sheet. Copy and paste the SQL code you used in there as well.

