

Task 3.5 Filtering Data

1a

The screenshot shows a PostgreSQL query editor interface. The query is as follows:

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

The results are displayed in a table with the following data:

	film_id [PK] integer	title character varying (255)	description text
1	132	Chainsaw Uptown	A Beautiful Documentary of a Boy And a Robot who must Discover a Squirrel in Australia
2	207	Dangerous Uptown	A Unbelievable Story of a Mad Scientist And a Woman who must Overcome a Dog in California
3	927	Uprising Uptown	A Fanciful Reflection of a Boy And a Butler who must Pursue a Woman in Berlin
4	928	Uptown Young	A Fateful Documentary of a Dog And a Hunter who must Pursue a Teacher in An Abandoned Amusement P...

Total rows: 4 of 4 Query complete 00:00:00.168

1b

The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 SELECT *  
2 FROM film  
3 WHERE length > 120  
4 AND rental_rate > 2.99  
5
```

The results are displayed in a table with the following data:

	film_id [PK] integer	title character varying (255)	description text	release_year integer	language smallint
1	13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	2006	
2	21	American Circus	A Insightful Drama of a Girl And a Astronaut who must Face a Database Administrator in A Shark Tank	2006	
3	265	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California	2006	
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	2006	
5	126	Casualties Encino	A Insightful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery	2006	
6	61	Beauty Grease	A Fast-Paced Display of a Composer And a Moose who must Sink a Robot in An Abandoned Mine Shaft	2006	
7	68	Betrayed Rear	A Emotional Character Study of a Boat And a Pioneer who must Find a Explorer in A Shark Tank	2006	
8	70	Bikini Borrowers	A Astounding Drama of a Astronaut And a Cat who must Discover a Woman in The First Manned Space Station	2006	

Total rows: 157 of 157 Query complete 00:00:01.383 Ln 4, Col 23

1c

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Query Query History Scratch Pad

```

1 SELECT *
2 FROM film
3 WHERE rental_duration > 3
4 AND rental_duration < 7
5

```

Data Output Messages Notifications

	film_id [PK] integer	title character varying (255)	description text	release_year integer
1	384	Grosse Wonderful	A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia	20
2	8	Airport Pollock	A Epic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India	20
3	98	Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat	20
4	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	20
5	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	20
6	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	20
7	7	Airplane Sierra	A Touching Saga of a Hunter And a Butler who must Discover a Butler in A Jet Boat	20
8	10	Aladdin Calendar	A Action-Packed Tale of a Man And a Lumberjack who must Reach a Feminist in Ancient China	20

1d

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Query Query History Scratch Pad

```

1 SELECT *
2 FROM film
3 WHERE replacement_cost < 14.99
4

```

Data Output Messages Notifications

	film_id [PK] integer	title character varying (255)	description 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	Allen 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 Lacklusture 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

Total rows: 249 of 249 Query complete 00:00:00.486

1e

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Query Query History

```
1 SELECT *
2 FROM film
3 WHERE rating
4 IN ('PG', 'G')
5
```

Scratch Pad

Data Output Messages Notifications

	film_id [PK] integer	title character varying (255)	description text	release_year integer
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	2006
2	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	2006
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	2006
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	2006
5	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	2006
6	11	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	2006
7	12	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	2006
8	13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	2006

Total rows: 372 of 372 Query complete 00:00:00.433 Ln 5, Col 1

3.

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Query Query History

```
1 SELECT
2     COUNT(*) AS "count_of_movies",
3     AVG(rental_rate) AS "average_rental_rate",
4     MAX(rental_duration) AS "maximum_rental_duration",
5     MIN(rental_duration) AS "minimum_rental_duration"
6 FROM film
7 WHERE rating IN ('PG', 'G')
8
```

Data Output Messages Notifications

	count_of_movies bigint	average_rental_rate numeric	maximum_rental_duration smallint	minimum_rental_duration smallint
1	372	2.9738709677419355	7	3

Total rows: 1 of 1 Query complete 00:00:00.221

4.

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Query Query History

```
1 SELECT
2     rating,
3     COUNT(*) AS "count_of_movies",
4     AVG(rental_rate) AS "average_rental_rate",
5     MAX(rental_duration) AS "maximum_rental_duration",
6     MIN(rental_duration) AS "minimum_rental_duration"
7 FROM film
8 WHERE rating IN ('PG', 'G')
9 GROUP BY rating
```

Data Output Messages Notifications

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

Total rows: 2 of 2 Query complete 00:00:00.610