

TASK 3.5: FILTERING DATA

1.a

QueryQuery History

1SELECT film_id, title, description FROM film

2WHERE title LIKE '%Uptown%'

Data OutputMessagesNotifications

	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...

1.b

QueryQuery History

1SELECT film_id, title, description, length, rental_rate FROM film

2WHERE length > 120 AND rental_rate > 2.99

Data OutputMessagesNotifications

	description	length smallint	rental_rate numeric (4,2)
1	on-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	150	4.99
2	htful Drama of a Girl And a Astronaut who must Face a Database Administrator in A Shark Tank	129	4.99
3	pid Tale of a Boat And a Monkey who must Kill a Cat in California	168	4.99
4	ng Character Study of a A Shark And a Girl who must Outrace a Feminist in An Abandoned Mine Shaft	153	4.99
5	htful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery	179	4.99
6	h-Paced Display of a Composer And a Moose who must Sink a Robot in An Abandoned Mine Shaft	175	4.99
7	tional Character Study of a Boat And a Pioneer who must Find a Explorer in A Shark Tank	122	4.99
8	unding Drama of a Astronaut And a Cat who must Discover a Woman in The First Manned Space Station	142	4.99
9	iful Panorama of a Husband And a Pioneer who must Outoun a Doo in A Baloon	162	4.99

1.c

QueryQuery History

1SELECT film_id, title, description, rental_duration FROM film

2WHERE rental_duration BETWEEN 4 AND 6

Data OutputMessagesNotifications

	description	rental_duration smallint
1	ic Drama of a Cat And a Explorer who must Redeem a Moose in Australia	5
2	ic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India	6
3	teful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat	4
4	ic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	6
5	nciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	5
6	st-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	6
7	uching Saga of a Hunter And a Butler who must Discover a Butler in A Jet Boat	6
8	ction-Packed Tale of a Man And a Lumberjack who must Reach a Feminist in Ancient China	6
9	irinn Foistle of a Butler And a Cat who must Fight a Pastrv Chef in A MvSQL Convention	6

Total rows: 606 of 606

Query complete 00:00:00.092

Ln 2, Col 38

1.d

Query		Query History
1 SELECT film_id, title, description, replacement_cost FROM film		
2 WHERE replacement_cost < 14.99		

Data Output		Messages	Notifications
description		replacement_cost	
		numeric (5,2)	
1	Stetful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat	12.99	
2	stounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	12.99	
3	illiant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention	10.99	
4	otional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California	10.99	
5	cklusture Display of a Dentist And a Dentist who must Fight a Girl in Australia	9.99	
6	mazing Reflection of a Database Administrator And a Astronaut who must Outrace a Database Administrator in A Shark Tank	12.99	
7	stetful Yarn of a Womanizer And a Feminist who must Succumb a Database Administrator in Ancient India	11.99	
8	stounding Story of a Dog And a Squirrel who must Defeat a Woman in An Abandoned Amusement Park	11.99	
9	otional Foistle of a Forensic Psychologist And a Butler who must Challenge a Waitress in An Abandoned Mine Shaft	12.99	
Total rows: 249 of 249		Query complete 00:00:00.071	Ln 2, Col 31

1.e

Query		Query History
1 SELECT film_id, title, description, rating FROM film		
2 WHERE rating = 'PG' OR rating = 'G'		

Data Output		Messages	Notifications
description		rating	
		mpaa_rating	
1	Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	PG	
2	Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	G	
3	Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	G	
4	Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	G	
5	Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	PG	
6	Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	G	
7	Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	PG	
8	Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	PG	
9	Emotional Display of a Pioneer And a Technical Writer who must Battle a Man in A Baloon	PG	
Total rows: 372 of 372		Query complete 00:00:00.064	Ln 2, Col 31

2. Please see attachment.

3.a Count of the movies: 372

3.b Average rental rate: 2.97

3.c Maximum rental duration: 7

Minimum rental duration: 3

4.

Query

Query History

```
1 SELECT COUNT(film_id) AS count_of_movies, AVG(rental_rate) AS average_movie_rental_rate,
2 MAX(rental_duration) AS maximum_rental_duration,
3 MIN(rental_duration) AS minimum_rental_duration
4 FROM film
5 WHERE rating = 'PG' OR rating = 'G'
```

Data Output

Messages

Notifications

count_of_movies

bigint

average_movie_rental_rate

numeric

maximum_rental_duration

smallint

minimum_rental_duration

smallint

1

372

2.9738709677419355

7

3

5.

Query

Query History

```

1 SELECT rating, COUNT(film_id) AS count_of_movies, AVG(rental_rate) AS average_movie_rental_rate,
2 MAX(rental_duration) AS maximum_rental_duration,
3 MIN(rental_duration) AS minimum_rental_duration
4 FROM film
5 WHERE rating = 'PG' OR rating = 'G'
6 GROUP BY rating

```

Data Output

Messages

Notifications

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	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