

Data Immersion 3.5

1)

a.

Query		Query History	
1	SELECT	film_id,	
2		title,	
3		description	
4	FROM	film	
5	WHERE	title LIKE	'%Uptown%'
Data Output		Messages	
Data Output		Messages	
film_id	title	description	
[PK] integer	character varying (255)	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...	

b.

Query		Query History	
1	SELECT	film_id,	
2		title,	
3		description,	
4		length,	
5		rental_rate	
6	FROM	film	
7	WHERE	length >120	AND rental_rate<2.99
Data Output		Messages	
Data Output		Messages	
film_id	title	description	length
[PK] integer	character varying (255)	text	smallint
1	11	Alamo Videotape	126
		A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	
2	12	Alaska Phantom	136
		A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	
3	27	Anonymous Human	179
		A Amazing Reflection of a Database Administrator And a Astronaut who must Outrace a Database Administrator in A Shark T...	
4	36	Argonauts Town	127
		A Emotional Epistle of a Forensic Psychologist And a Butler who must Challenge a Waitress in An Abandoned Mine Shaft	
5	40	Army Flintstones	148
		A Boring Saga of a Database Administrator And a Womanizer who must Battle a Waitress in Nigeria	

c.

Query		Query History	
1	SELECT	film_id	
2		title,	
3		description,	
4		rental_duration	
5	FROM	film	
6	WHERE	rental_duration BETWEEN	4 and 6
Data Output		Messages	
Data Output		Messages	
title	description	rental_duration	
integer	text	smallint	
1	384	A Epic Drama of a Cat And a Explorer who must Redeem a Moose in Australia	
		5	
2	8	A Epic Tale of a Moose And a Girl who must Confront a Monkey in Ancient India	
		6	
3	98	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat	
		4	
4	1	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	
		6	
5	4	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	
		5	

d.

Query		Query History	
1	SELECT	film_id	
2		title,	
3		description,	
4		replacement_cost	
5	FROM	film	
6	WHERE	replacement_cost < 14.99	
7			

Data Output		Messages		Notifications	
	title	description		replacement_cost	
	integer	text		numeric (5,2)	
1	98	A Fateful Yarn of a Lumberjack And a Feminist who must Conquer a Student in A Jet Boat		12.99	
2	2	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China		12.99	
3	15	A Brilliant Drama of a Cat And a Mad Scientist who must Battle a Feminist in A MySQL Convention		10.99	
4	22	A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California		10.99	
5	23	A Larkishure Nienlaw of a Dentist And a Dentist who must Fight a Girl in Australia		0.00	

e.

Query		Query History	
1	SELECT	film_id,	
2		title,	
3		description,	
4		rating	
5	FROM	film	
6	WHERE	rating = 'PG' OR rating = 'G';	

Data Output		Messages		Notifications	
	film_id	title	description	rating	
	[PK] integer	character varying (255)	text	mpaa_rating	
1	1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	PG	
2	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	G	
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	G	

3.

Rockbuster/postgres@PostgreSQL 16			
No limit			
Query		Query History	
1	SELECT		
2	COUNT(*) AS "count of movies",		
3	AVG(rental_rate) AS "average movie rental rate",		
4	MAX(rental_duration) AS "maximum rental duration",		
5	MIN(rental_duration) AS "minimum rental duration"		
6	FROM film		
7	WHERE rating = 'PG' OR rating = 'G';		
8			
9			
10			
11			

Data Output		Messages		Notifications	
	count of movies	average movie rental rate	maximum rental duration	minimum rental duration	
	bigint	numeric	smallint	smallint	
1	372	2.9738709677419355	7	3	

4.

Query

Query History

```
1 SELECT
2   rating,
3   COUNT(*) AS count_of_movies,
4   ROUND(AVG(rental_rate), 2) AS average_movie_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
10 ORDER BY count_of_movies DESC;
11
```

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	3.05	7	3
2	G	178	2.89	7	3