

Answers 3.5

1a. Films with *Uptown* in the title

Query

Query History

Scratch Pad

1

SELECT film_id, title, description

2

FROM film

3

WHERE title LIKE '%Uptown%'

Data output

Messages

Notifications

	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 Disc
2	207	Dangerous Uptown	A Unbelievable Story of a Mad Scientist And a Woman who m
3	927	Uprising Uptown	A Fanciful Reflection of a Boy And a Butler who must Pursue a
4	928	Uptown Young	A Fateful Documentary of a Dog And a Hunter who must Pursu

1b. Length of film is over 120 min and over 2.99

?

Query

Query History

Scratch Pad

1

SELECT

film_id, title, description

2

From

film

3

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 ...
2	21	American Circus	A Insightful Drama of a Girl And a Astronaut who must Fa...
3	265	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Ca...
4	47	Baby Hall	A Boring Character Study of a A Shark And a Girl who mus...
5	126	Casualties Encino	A Insightful Yarn of a A Shark And a Pastry Chef who mus...
6	61	Beauty Grease	A Fast-Paced Display of a Composer And a Moose who m...
7	68	Betrayed Rear	A Emotional Character Study of a Boat And a Pioneer who...
8	70	Bikini Borrowers	A Astounding Drama of a Astronaut And a Cat who must ...
9	74	Birch Antitrust	A Fanciful Panorama of a Husband And a Pioneer who m...
10	75	Bird Independence	A Thrilling Documentary of a Car And a Student who must...
11	86	Boogie Amelie	A Lacklusture Character Study of a Husband And a Sumo ...

Total rows: 157 of 157 Query complete 00:00:00.094 Ln 3, Col 7

1c. Rental duration between 3 and 7 days

Query	Query History	Scratch Pad
1 SELECT film_id, title, description 2 From film 3 WHERE rental_duration > 3 AND rental_duration		
Data output Messages Notifications		
<div><div></div><div></div><div></div><div></div><div></div><div></div></div>		
film_id	title	description
[PK] integer	character varying (255)	text
1	384	Grosse Wonderful
2	8	Airport Pollock
3	98	Bright Encounters
4	1	Academy Dinosaur
5	4	Affair Prejudice
6	5	African Egg
7	7	Airplane Sierra
8	10	Aladdin Calendar
9	11	Alamo Videotape
10	12	Alaska Phantom
11	213	Date Speed
Total rows: 606 of 606 Query complete 00:00:00.067 Ln 3, Col 50		

1d. Film replacement cost less than 14.99

Query	Query History	Scratch Pad
1 SELECT film_id, title, description 2 From film 3 WHERE replacement_cost < 14.99		
Data output Messages Notifications		
<div><div></div><div></div><div></div><div></div><div></div><div></div></div>		
film_id	title	description
[PK] integer	character varying (255)	text
98	Bright Encounters	A Fateful Yarn of a Lumberjack And a Feminist who mus
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a
15	Alien Center	A Brilliant Drama of a Cat And a Mad Scientist who mus
22	Amistad Midsummer	A Emotional Character Study of a Dentist And a Crocodil
23	Anaconda Confessions	A Lacklusture Display of a Dentist And a Dentist who ml
27	Anonymous Human	A Amazing Reflection of a Database Administrator And i
29	Antitrust Tomatoes	A Fateful Yarn of a Womanizer And a Feminist who mus
32	Apocalypse Flamingos	A Astounding Story of a Dog And a Squirrel who must De
36	Argonauts Town	A Emotional Epistle of a Forensic Psychologist And a Bu
39	Armageddon Lost	A Fast-Paced Tale of a Boat And a Teacher who must Su
42	Artist Coldblooded	A Stunning Reflection of a Robot And a Moose who mus
Total rows: 249 of 249 Query complete 00:00:00.059 Ln 3, Col 31		

1e. Film rating either G or PG

Query

Query History

Scratch Pad

1

SELECT film_id, title, description

2

FROM film

3

WHERE rating IN ('PG', 'G')

4

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 who must E
2	2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Exp
3	4	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who
4	5	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist w
5	6	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escap
6	11	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight a Pas
7	12	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who must Va
8	13	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who m
9	19	Amadeus Holy	A Emotional Display of a Pioneer And a Technical Writer wh
10	22	Amistad Midsummer	A Emotional Character Study of a Dentist And a Crocodile w
11	25	Angels Life	A Thoughtful Display of a Woman And a Astronaut who mus

Total rows: 372 of 372

Query complete 00:00:00.066

Ln 4, Col 1

2. 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

Scratch Pad

1

2

3

4

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SELECT rating,

COUNT(title) AS number_of_film,

AVG(rental_rate) AS average_rental_mov

MAX(rental_duration) AS maximum_rental

MIN(rental_duration) AS minimum_rental

FROM film

WHERE rating IN ('PG', 'G')

GROUP BY rating;

Data output

Messages

Notifications

	rating mpaa_rating	number_of_film bigint	average_rental_movie_rate numeric	maximum_rental_duration smallint	minimum_rental_duration smallint
1	G	178	2.888876404494382	7	
2	PG	194	3.0518556701030928	7	

3. To make the output easier for your coworkers to understand, give your aggregate columns the following aliases: "count of movies," "average movie rental rate," "maximum rental duration", and "minimum rental duration". Run the query and transfer the result into your Excel file on a new sheet as well as the code you used to get there.

Done in number 2

4. The customer team would like to see the fields you calculated in step 3 grouped by rating. The totals in your results table should look the same as in step 3, but broken down by the rating column. Copy-paste your query and its output in your answers on a new sheet..

Done in number 2