

1. Write some SQL queries to return a lists of films that meet the following conditions.
 (Hint: These queries are not building upon each other, they are separate! Hence, when running the query for 1b. you don't need to take into account 1a, for example.) Your results tables should include the columns "film_ID," "title," and "description".

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

We want to find all the movies in the Rockbuster database with "Uptown" in the title.

Query

Query History

Scratch Pad

```

1 SELECT * FROM film
2 WHERE title LIKE
3 '%Uptown%'

```

Data Output

Messages

Notifications

	film_id [PK] integer	title character varying (255)	description text	release_year integer	language_id smallint	rental_duration smallint	rental_rate numeric (4,2)	length smallint	replacement_cost numeric (5,2)	rating mpaa_rating
1	132	Chainsaw Uptown	A Beautiful Documentary of a Boy And a Robot who must Discover a Squirrel in Australia	2006	1	6	0.99	114	25.99	PG
2	207	Dangerous Uptown	A Unbelievable Story of a Mad Scientist And a Woman who must Overcome a Dog in California	2006	1	7	4.99	121	26.99	PG
3	927	Uprising Uptown	A Fanciful Reflection of a Boy And a Butler who must Pursue a Woman in Berlin	2006	1	6	2.99	174	16.99	NC-17
4	928	Uptown Young	A Fateful Documentary of a Dog And a Hunter who must Pursue a Teacher in An Abandoned Amusement P...	2006	1	5	2.99	84	16.99	PG

Total rows: 4 of 4

Query complete 00:00:00.058

or

Query

Query History

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SELECT

film_id,

title,

description

FROM

film

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 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 00:00:00.074

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

We want to find the film_id, title, and description of movies that have a film length more than 120 minutes and rental rate of less than \$2.99.

Query		Query History			
1	SELECT	film_id,			
2		title,			
3		description,			
4		length,			
5		rental_rate			
6	FROM	film			
7	WHERE	length > 120			
8	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 must Battle a Feminist in The Canadian Rockies	
2	21	American Circus		A Insightful Drama of a Girl And a Astronaut who must Face a Database Administrator in A Shark Tank	
3	265	Dying Maker		A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California	
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	
5	126	Casualties Encino		A Insightful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery	
6	61	Beauty Grease		A Fast-Paced Display of a Composer And a Moose who must Sink a Robot in An Abandoned Mine Shaft	
7	68	Betrayed Rear		A Emotional Character Study of a Boat And a Pioneer who must Find a Explorer in A Shark Tank	
8	70	Bikini Borrowers		A Astounding Drama of a Astronaut And a Cat who must Discover a Woman in The First Manned Space Station	
9	74	Birch Antitrust		A Fanciful Panorama of a Husband And a Pioneer who must Outgun a Dog in A Baloon	
10	75	Bird Independence		A Thrilling Documentary of a Car And a Student who must Sink a Hunter in The Canadian Rockies	
11	86	Boogie Amelie		A Lacklusture Character Study of a Husband And a Sumo Wrestler who must Succumb a Technical Writer in The Gulf of Me...	
12	88	Born Spinal		A Touching Epistle of a Frisbee And a Husband who must Pursue a Student in Nigeria	
13	93	Brannigan Sunrise		A Amazing Epistle of a Moose And a Crocodile who must Outrace a Dog in Berlin	
14	95	Breakfast Goldfinger		A Beautiful Reflection of a Student And a Student who must Fight a Moose in Berlin	
15	100	Brooklyn Desert		A Beautiful Drama of a Dentist And a Composer who must Battle a Sumo Wrestler in The First Manned Space Station	
16	103	Bucket Brotherhood		A Amazing Display of a Girl And a Womanizer who must Succumb a Lumberjack in A Baloon Factory	
17	117	Candles Grapes		A Fanciful Character Study of a Monkey And a Explorer who must Build a Astronaut in An Abandoned Fun House	
18	124	Casper Dragonfly		A Intrepid Documentary of a Boat And a Crocodile who must Chase a Robot in The Sahara Desert	
19	131	Center Dinosaur		A Beautiful Character Study of a Sumo Wrestler And a Dentist who must Find a Dog in California	
20	141	Chicago North		A Fateful Yarn of a Mad Cow And a Waitress who must Battle a Student in California	
21	145	Chisum Behavior		A Epic Documentary of a Sumo Wrestler And a Butler who must Kill a Car in Ancient India	
22	151	Cinemat Whippers		A Brilliant Saga of a Pastry Chef And a Hunter who must Confront a Butler in Berlin	

Total rows: 157 of 157 Query complete 00:00:00.055

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

We want to find movies in the database that have a rental duration between 3 and 7 days.

Query		Query History			
1	SELECT	film_id,			
2		title,			
3		description,			
4		rental_duration			
5	FROM	film			
6	WHERE	rental_duration			
7	BETWEEN	3 AND 7			

Data Output		Messages		Notifications	
film_id	title	description	rental_duration		
[PK] integer	character varying (255)	text	smallint		
1	133	Chamber Italian			7
2	384	Grosse Wonderful			5
3	8	Airport Pollock			6
4	98	Bright Encounters			4
5	1	Academy Dinosaur			6
6	2	Ace Goldfinger			3
7	3	Adaptation Holes			7
8	4	Affair Prejudice			5
9	5	African Egg			6
10	6	Agent Truman			3
11	7	Airplane Sierra			6
12	9	Alabama Devil			3
13	10	Aladdin Calendar			6
14	11	Alamo Videotape			6
15	12	Alaska Phantom			6
16	213	Date Speed			4
17	13	Ali Forever			4
18	14	Alice Fantasia			6
19	15	Alien Center			5
20	16	Alley Evolution			6
21	17	Alone Trip			3
22	18	Alter Victory			6

Total rows: 1000 of 1000 Query complete 00:00:00.295

- Film replacement cost is less than 14.99

Query

Query History

Scratch Pad x

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SELECT

film_id,

title,

description,

replacement_cost

FROM film

WHERE replacement_cost < 14.99

Data Output

Messages

Notifications

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- Film rating is either PG or G

We want both ratings (PG and G)

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

Data Output		Messages		Notifications	
film_id	title	description	rating	mpaa_rating	
[PK] integer	character varying (255)	text			
1	Academy Dinosaur	A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies	PG		
2	Ace Goldfinger	A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China	G		
3	Affair Prejudice	A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank	G		
4	African Egg	A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico	G		
5	Agent Truman	A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China	PG		
6	Alamo Videotape	A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention	G		
7	Alaska Phantom	A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia	PG		
8	Ali Forever	A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies	PG		
9	Amadeus Holy	A Emotional Display of a Pioneer And a Technical Writer who must Battle a Man in A Baloon	PG		
10	Amistad Midsummer	A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California	G		
11	Angels Life	A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin	G		
12	Annie Identity	A Amazing Panorama of a Pastry Chef And a Boat who must Escape a Woman in An Abandoned Amusement Park	G		
13	Arizona Bang	A Brilliant Panorama of a Mad Scientist And a Mad Cow who must Meet a Pioneer in A Monastery	PG		
14	Armageddon Lost	A Fast-Paced Tale of a Boat And a Teacher who must Succumb a Composer in An Abandoned Mine Shaft	G		
15	Arsenic Independence	A Fanciful Documentary of a Mad Cow And a Womanizer who must Find a Dentist in Berlin	PG		
16	Dying Maker	A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California	PG		
17	Atlantis Cause	A Thrilling Yarn of a Feminist And a Hunter who must Fight a Technical Writer in A Shark Tank	G		
18	Autumn Crow	A Beautiful Tale of a Dentist And a Mad Cow who must Battle a Moose in The Sahara Desert	G		
19	Baked Cleopatra	A Stunning Drama of a Forensic Psychologist And a Husband who must Overcome a Waitress in A Monastery	G		
20	Casualties Encino	A Insightful Yarn of a A Shark And a Pastry Chef who must Face a Boy in A Monastery	G		
21	Ballroom Mockingbird	A Thrilling Documentary of a Composer And a Monkey who must Find a Feminist in California	G		
22	Barbaric Strangers	A Amazing Story of a Feminist And a Cat who must Conquer a Dog in A Monastery	G		
Total rows: 372 of 372 Query complete 00:00:00.091					

or

Query

Query History

Scratch Pad X

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SELECT

film_id,

title,

description,

rating

FROM film

WHERE rating IN ('PG',

'G')

Data Output

Messages

Notifications

film_id

[PK] integer

title

character varying (255)

description

text

rating

mpaa_rating

1

2

3

4

5

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Academy Dinosaur

Ace Goldfinger

Affair Prejudice

African Egg

Agent Truman

Alamo Videotape

Alaska Phantom

Ali Forever

Amadeus Holy

Amistad Midsummer

Angels Life

Annie Identity

Arizona Bang

Armageddon Lost

Arsenic Independence

Dying Maker

A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies

A Astounding Epistle of a Database Administrator And a Explorer who must Find a Car in Ancient China

A Fanciful Documentary of a Frisbee And a Lumberjack who must Chase a Monkey in A Shark Tank

A Fast-Paced Documentary of a Pastry Chef And a Dentist who must Pursue a Forensic Psychologist in The Gulf of Mexico

A Intrepid Panorama of a Robot And a Boy who must Escape a Sumo Wrestler in Ancient China

A Boring Epistle of a Butler And a Cat who must Fight a Pastry Chef in A MySQL Convention

A Fanciful Saga of a Hunter And a Pastry Chef who must Vanquish a Boy in Australia

A Action-Packed Drama of a Dentist And a Crocodile who must Battle a Feminist in The Canadian Rockies

A Emotional Display of a Pioneer And a Technical Writer who must Battle a Man in A Baloon

A Emotional Character Study of a Dentist And a Crocodile who must Meet a Sumo Wrestler in California

A Thoughtful Display of a Woman And a Astronaut who must Battle a Robot in Berlin

A Amazing Panorama of a Pastry Chef And a Boat who must Escape a Woman in An Abandoned Amusement Park

A Brilliant Panorama of a Mad Scientist And a Mad Cow who must Meet a Pioneer in A Monastery

A Fast-Paced Tale of a Boat And a Teacher who must Succumb a Composer in An Abandoned Mine Shaft

A Fanciful Documentary of a Mad Cow And a Womanizer who must Find a Dentist in Berlin

A Intrepid Tale of a Boat And a Monkey who must Kill a Cat in California

PG

G

G

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PG

G

PG

PG

PG

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PG

G

PG

PG

Total rows: 372 of 372

Query complete 00:00:00.094

3. 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 = **372**

Query		Query History		Scratch Pad	
1	SELECT	film_id,			
2		title,			
3		description,			
4		rating,			
5		COUNT(film_id)			
6	FROM	film			
7	WHERE	rating IN ('PG',			
8		'G')			
9	GROUP BY	film_id			

Data Output		Messages		Notifications	
film_id	title	description	rating	count	
[PK] integer	character varying (255)	text	mpaa_rating	bigint	
1	351	Gaslight Crusade	A Amazing Epistle of a Boy And a Astronaut who must Redeem a Man in The Gulf of Mexico	PG	1
2	753	Rush Goodfellas	A Emotional Display of a Man And a Dentist who must Challenge a Squirrel in Australia	PG	1
3	477	Jawbreaker Brooklyn	A Stunning Reflection of a Boat And a Pastry Chef who must Succumb a A Shark in A Jet Boat	PG	1
4	273	Effect Gladiator	A Beautiful Display of a Pastry Chef And a Pastry Chef who must Outgun a Forensic Psychologist in A Manhattan Penthouse	PG	1
5	732	Rings Heartbreakers	A Amazing Yarn of a Sumo Wrestler And a Boat who must Conquer a Waitress in New Orleans	G	1
6	552	Majestic Floats	A Thrilling Character Study of a Moose And a Student who must Escape a Butler in The First Manned Space Station	PG	1
7	867	Super Wyoming	A Action-Packed Saga of a Pastry Chef And a Explorer who must Discover a A Shark in The Outback	PG	1
8	350	Garden Island	A Unbelievable Character Study of a Womanizer And a Madman who must Reach a Man in The Outback	G	1
9	959	Warlock Werewolf	A Astounding Yarn of a Pioneer And a Crocodile who must Defeat a A Shark in The Outback	G	1
10	837	Stage World	A Lacklusture Panorama of a Woman And a Frisbee who must Chase a Crocodile in A Jet Boat	PG	1
11	758	Saints Bride	A Fateful Tale of a Technical Writer And a Composer who must Pursue a Explorer in The Gulf of Mexico	G	1
12	874	Tadpole Park	A Beautiful Tale of a Frisbee And a Moose who must Vanquish a Dog in An Abandoned Amusement Park	PG	1
13	554	Malkovich Pet	A Intrepid Reflection of a Waitress And a A Shark who must Kill a Squirrel in The Outback	G	1
14	431	Hoosiers Birdcage	A Astounding Display of a Explorer And a Boat who must Vanquish a Car in The First Manned Space Station	G	1
15	433	Horn Working	A Stunning Display of a Mad Scientist And a Technical Writer who must Succumb a Monkey in A Shark Tank	PG	1
16	670	Pelican Comforts	A Epic Documentary of a Boy And a Monkey who must Pursue a Astronaut in Berlin	PG	1

Total rows: 372 of 372 Query complete 00:00:00.124 Ln 1, Col 16

or

QueryQuery History

1SELECT film_id,
2title,
3description,
4rating,
5COUNT(film_id)
6FROM film
7WHERE rating = 'PG'
8OR rating = 'G'
9GROUP BY film_id

Scratch Pad x

Data OutputMessagesNotifications

film_id

[PK] integer

title

character varying (255)

description

text

rating

mpaa_rating

count

bigint

1351Gaslight CrusadeA Amazing Epistle of a Boy And a Astronaut who must Redeem a Man in The Gulf of MexicoPG1

2753Rush GoodfellasA Emotional Display of a Man And a Dentist who must Challenge a Squirrel in AustraliaPG1

3477Jawbreaker BrooklynA Stunning Reflection of a Boat And a Pastry Chef who must Succumb a A Shark in A Jet BoatPG1

4273Effect GladiatorA Beautiful Display of a Pastry Chef And a Pastry Chef who must Outgun a Forensic Psychologist in A Manhattan PenthousePG1

5732Rings HeartbreakersA Amazing Yarn of a Sumo Wrestler And a Boat who must Conquer a Waitress in New OrleansG1

6552Majestic FloatsA Thrilling Character Study of a Moose And a Student who must Escape a Butler in The First Manned Space StationPG1

7867Super WyomingA Action-Packed Saga of a Pastry Chef And a Explorer who must Discover a A Shark in The OutbackPG1

8350Garden IslandA Unbelievable Character Study of a Womanizer And a Madman who must Reach a Man in The OutbackG1

9959Warlock WerewolfA Astounding Yarn of a Pioneer And a Crocodile who must Defeat a A Shark in The OutbackG1

10837Stage WorldA Lacklusture Panorama of a Woman And a Frisbee who must Chase a Crocodile in A Jet BoatPG1

11758Saints BrideA Fateful Tale of a Technical Writer And a Composer who must Pursue a Explorer in The Gulf of MexicoG1

12874Tadpole ParkA Beautiful Tale of a Frisbee And a Moose who must Vanquish a Dog in An Abandoned Amusement ParkPG1

13554Malkovich PetA Intrepid Reflection of a Waitress And a A Shark who must Kill a Squirrel in The OutbackG1

14431Hoosiers BirdcageA Astounding Display of a Explorer And a Boat who must Vanquish a Car in The First Manned Space StationG1

15433Horn WorkingA Stunning Display of a Mad Scientist And a Technical Writer who must Succumb a Monkey in A Shark TankPG1

16670Pelican ComfortsA Epic Documentary of a Boy And a Monkey who must Pursue a Astronaut in BerlinPG1

Total rows: 372 of 372

Query complete 00:00:00.064

Ln 9, Col 17

or

Query

Query History

1

SELECT COUNT(*)

2

FROM film

3

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

Data Output

Messages

Notifications

count

bigint

1

372

- **Average rental rate $(3.05 + 2.89/2) = 2.97$**

Query

Query History

```

1 SELECT AVG(rental_rate),
2        MIN(rental_duration),
3        MAX(rental_duration)
4 FROM film WHERE rating IN ('G', 'PG')

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Data Output

Messages

Notifications

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	avg numeric	min smallint	max smallint
1	2.9738709677419355	3	7

- Maximum rental duration and minimum rental duration

Maximum = 7

Query	Query History	Scratch Pad	x
1 SELECT film_id, 2 title, 3 description, 4 rating, 5 MAX(rental_duration) 6 FROM film 7 WHERE rating = 'PG' 8 OR rating = 'G' 9 GROUP BY film_id			
Data Output	Messages	Notifications	
film_id [PK] integer	title character varying (255)	description text	rating mpaa_rating
1 351	Gaslight Crusade	A Amazing Epistle of a Boy And a Astronaut who must Redeem a Man in The Gulf of Mexico	PG
2 753	Rush Goodfellas	A Emotional Display of a Man And a Dentist who must Challenge a Squirrel in Australia	PG
3 477	Jawbreaker Brooklyn	A Stunning Reflection of a Boat And a Pastry Chef who must Succumb a A Shark in A Jet Boat	PG
4 273	Effect Gladiator	A Beautiful Display of a Pastry Chef And a Pastry Chef who must Outgun a Forensic Psychologist in A Manhattan Penthouse	PG
5 732	Rings Heartbreakers	A Amazing Yarn of a Sumo Wrestler And a Boat who must Conquer a Waitress in New Orleans	G
6 552	Majestic Floats	A Thrilling Character Study of a Moose And a Student who must Escape a Butler in The First Manned Space Station	PG
7 867	Super Wyoming	A Action-Packed Saga of a Pastry Chef And a Explorer who must Discover a A Shark in The Outback	PG
8 350	Garden Island	A Unbelievable Character Study of a Womanizer And a Madman who must Reach a Man in The Outback	G
9 959	Warlock Werewolf	A Astounding Yarn of a Pioneer And a Crocodile who must Defeat a A Shark in The Outback	G
10 837	Stage World	A Lacklusture Panorama of a Woman And a Frisbee who must Chase a Crocodile in A Jet Boat	PG
11 758	Saints Bride	A Fateful Tale of a Technical Writer And a Composer who must Pursue a Explorer in The Gulf of Mexico	G
12 874	Tadpole Park	A Beautiful Tale of a Frisbee And a Moose who must Vanquish a Dog in An Abandoned Amusement Park	PG
13 554	Malkovich Pet	A Intrepid Reflection of a Waitress And a A Shark who must Kill a Squirrel in The Outback	G
14 431	Hoosiers Birdcage	A Astounding Display of a Explorer And a Boat who must Vanquish a Car in The First Manned Space Station	G
15 433	Horn Working	A Stunning Display of a Mad Scientist And a Technical Writer who must Succumb a Monkey in A Shark Tank	PG
16 670	Pelican Comforts	A Epic Documentary of a Boy And a Monkey who must Pursue a Astronaut in Berlin	PG
Total rows: 372 of 372 Query complete 00:00:00.234 Ln 9, Col 17			

Minimum = 3

Query	Query History	Scratch Pad	x
1 SELECT film_id, 2 title, 3 description, 4 rating, 5 MIN(rental_duration) 6 FROM film 7 WHERE rating = 'PG' 8 OR rating = 'G' 9 GROUP BY film_id			
Data Output	Messages	Notifications	
film_id [PK] integer	title character varying (255)	description text	rating mpaa_rating
1 351	Gaslight Crusade	A Amazing Epistle of a Boy And a Astronaut who must Redeem a Man in The Gulf of Mexico	PG
2 753	Rush Goodfellas	A Emotional Display of a Man And a Dentist who must Challenge a Squirrel in Australia	PG
3 477	Jawbreaker Brooklyn	A Stunning Reflection of a Boat And a Pastry Chef who must Succumb a A Shark in A Jet Boat	PG
4 273	Effect Gladiator	A Beautiful Display of a Pastry Chef And a Pastry Chef who must Outgun a Forensic Psychologist in A Manhattan Penthouse	PG
5 732	Rings Heartbreakers	A Amazing Yarn of a Sumo Wrestler And a Boat who must Conquer a Waitress in New Orleans	G
6 552	Majestic Floats	A Thrilling Character Study of a Moose And a Student who must Escape a Butler in The First Manned Space Station	PG
7 867	Super Wyoming	A Action-Packed Saga of a Pastry Chef And a Explorer who must Discover a A Shark in The Outback	PG
8 350	Garden Island	A Unbelievable Character Study of a Womanizer And a Madman who must Reach a Man in The Outback	G
9 959	Warlock Werewolf	A Astounding Yarn of a Pioneer And a Crocodile who must Defeat a A Shark in The Outback	G
10 837	Stage World	A Lacklusture Panorama of a Woman And a Frisbee who must Chase a Crocodile in A Jet Boat	PG
11 758	Saints Bride	A Fateful Tale of a Technical Writer And a Composer who must Pursue a Explorer in The Gulf of Mexico	G
12 874	Tadpole Park	A Beautiful Tale of a Frisbee And a Moose who must Vanquish a Dog in An Abandoned Amusement Park	PG
13 554	Malkovich Pet	A Intrepid Reflection of a Waitress And a A Shark who must Kill a Squirrel in The Outback	G
14 431	Hoosiers Birdcage	A Astounding Display of a Explorer And a Boat who must Vanquish a Car in The First Manned Space Station	G
15 433	Horn Working	A Stunning Display of a Mad Scientist And a Technical Writer who must Succumb a Monkey in A Shark Tank	PG
16 670	Pelican Comforts	A Epic Documentary of a Boy And a Monkey who must Pursue a Astronaut in Berlin	PG
Total rows: 372 of 372 Query complete 00:00:00.124 Ln 9, Col 17			

4. 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.

Query

Query History

```

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

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Data Output

Messages

Notifications

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	count_of_movies bigint	average_movie_rental_rate numeric	maximum_rental_duration smallint	minimum_rental_duration smallint
1	1	2.99	4	4
2	1	0.99	3	3
3	1	0.99	5	5
4	1	0.99	6	6
5	1	0.99	5	5
6	1	0.99	5	5
7	1	4.99	5	5
8	1	4.99	3	3
9	1	2.99	6	6
10	1	2.99	4	4
11	1	2.99	5	5
12	1	2.99	6	6
13	1	2.99	6	6
14	1	2.99	3	3
15	1	2.99	4	4
16	1	4.99	4	4

Total rows: 372 of 372

Query complete 00:00:00.163

5. 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 4, but broken down by the rating column. Copy-paste your query and its output in your answers on a new sheet.

Query

Query History

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

Data Output

Messages

Notifications

	count_of_movies bigint	average_movie_rental_rate numeric	maximum_rental_duration smallint	minimum_rental_duration smallint
1	194	3.05	7	3
2	178	2.89	7	3

or

Query

Query History

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SELECT rating,

COUNT (film_id) AS count_of_movies,

ROUND (AVG(rental_rate)::numeric, 2) AS average_movie_rental_rate,

MAX(rental_duration) AS maximum_rental_duration,

MIN(rental_duration) AS minimum_rental_duration

FROM film

WHERE rating = 'PG'

OR rating = 'G'

GROUP BY rating

Data Output

Messages

Notifications

rating

count_of_movies

average_movie_rental_rate

maximum_rental_duration

minimum_rental_duration

mpaa_rating

bigint

numeric

smallint

smallint

1

PG

194

3.05

7

3

2

G

178

2.89

7

3