

## 3.5: Filtering Data

1. Write some SQL queries to return a list of films that meet the following conditions.

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

```
SELECT film_id, title, description
FROM film
WHERE title
LIKE '%Uptown%'
```

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

```
SELECT film_id, title, description
FROM film
WHERE length > 120 AND rental_rate < 2.99
```

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

```
SELECT film_id, title, description
FROM film
WHERE rental_duration > 3 AND rental_duration < 7
```

- d. Film replacement cost is less than 14.99

```
SELECT film_id, title, description
FROM film
WHERE replacement_cost < 14.99;
```

- e. Film rating is either PG or G

```
SELECT film_id, title, description
FROM film
WHERE rating IN ('PG' , 'G')
```

2. Download your SQL queries outputs: Done

3. Query for this list.

- Count of the movies
- Average rental rate
- Maximum rental duration and minimum rental duration

Rockbuster/postgres@PostgreSQL 14

Query Query History Scratch Pad

```

1 SELECT rating,
2 COUNT (title) 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 IN ('PG', 'G')
8 GROUP BY rating
9

```

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	G	178	2.888876404494382	7	3
2	PG	194	3.0518556701030928	7	3

4. Done

5. Done

Rockbuster/postgres@PostgreSQL 14

Query Query History Scratch Pad

```

1 SELECT rating,
2 COUNT (title) 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 IN ('PG', 'G')
8 GROUP BY rating
9

```

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	G	178	2.888876404494382	7	3
2	PG	194	3.0518556701030928	7	3