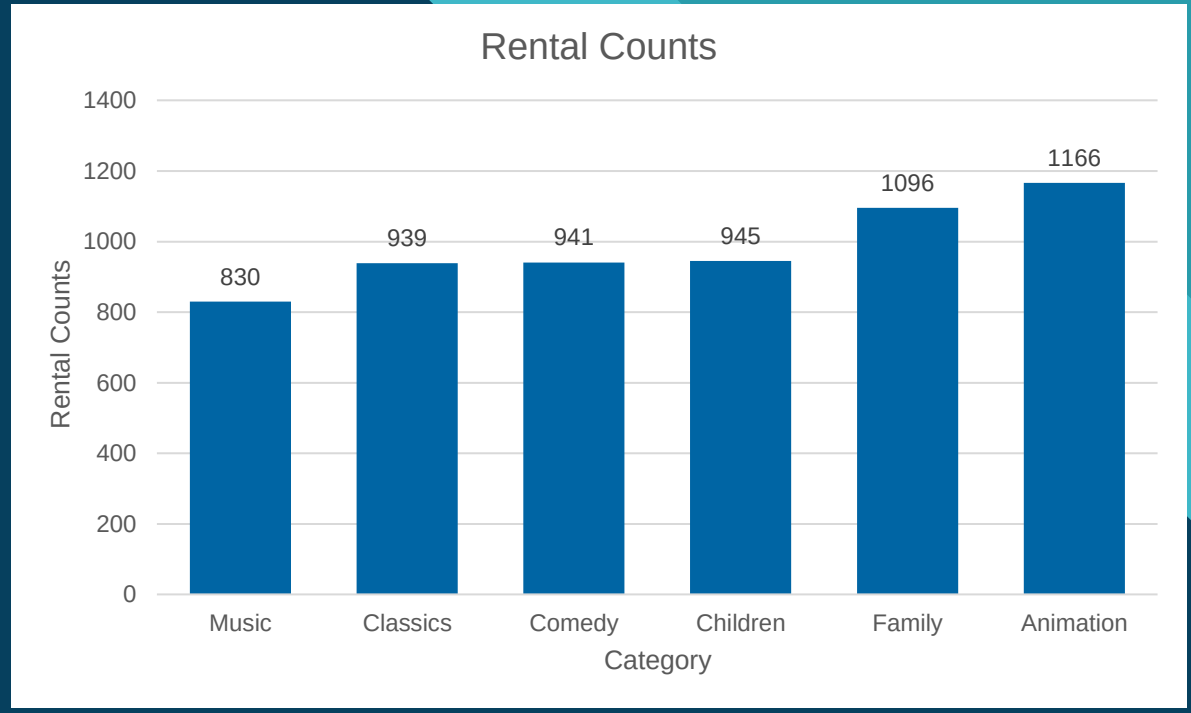
Set 1 Question 1

Question:

- Create a query that lists each movie, the film category it is classified in, and the number of times it has been rented out.

Analysis

- Within the family movie category, Animation is the most popular category, but by a small margin. Classics, Comedy, and Children are nearly equal in popularity.



Query Location:

- Document: SQL Project Queries.txt
- Section: --Set 1 q1:

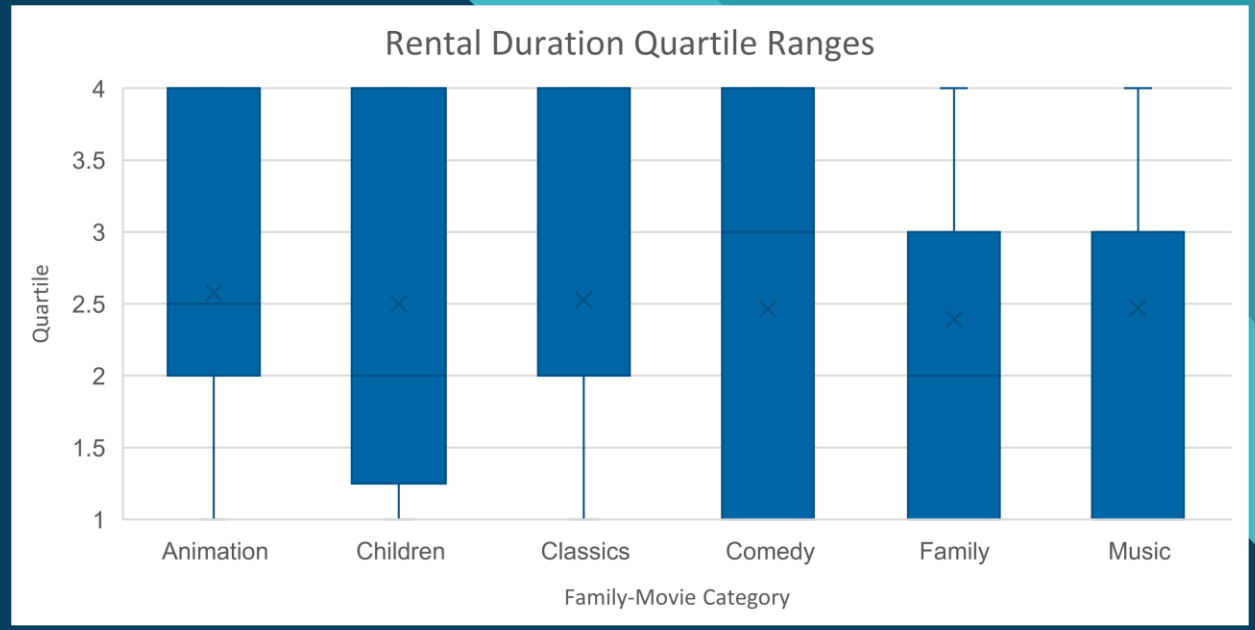
Set 1 Question 2

Question:

- Can you provide a table with the movie titles and divide them into 4 levels (first_quarter, second_quarter, third_quarter, and final_quarter) based on the quartiles (25%, 50%, 75%) of the rental duration for movies across all categories?

Analysis:

- All Family movie categories have roughly the same median: 3. All categories have asymmetrical distributions.



Query Location:

- Document: SQL Project Queries.txt
- Section: --Set 1 q2:

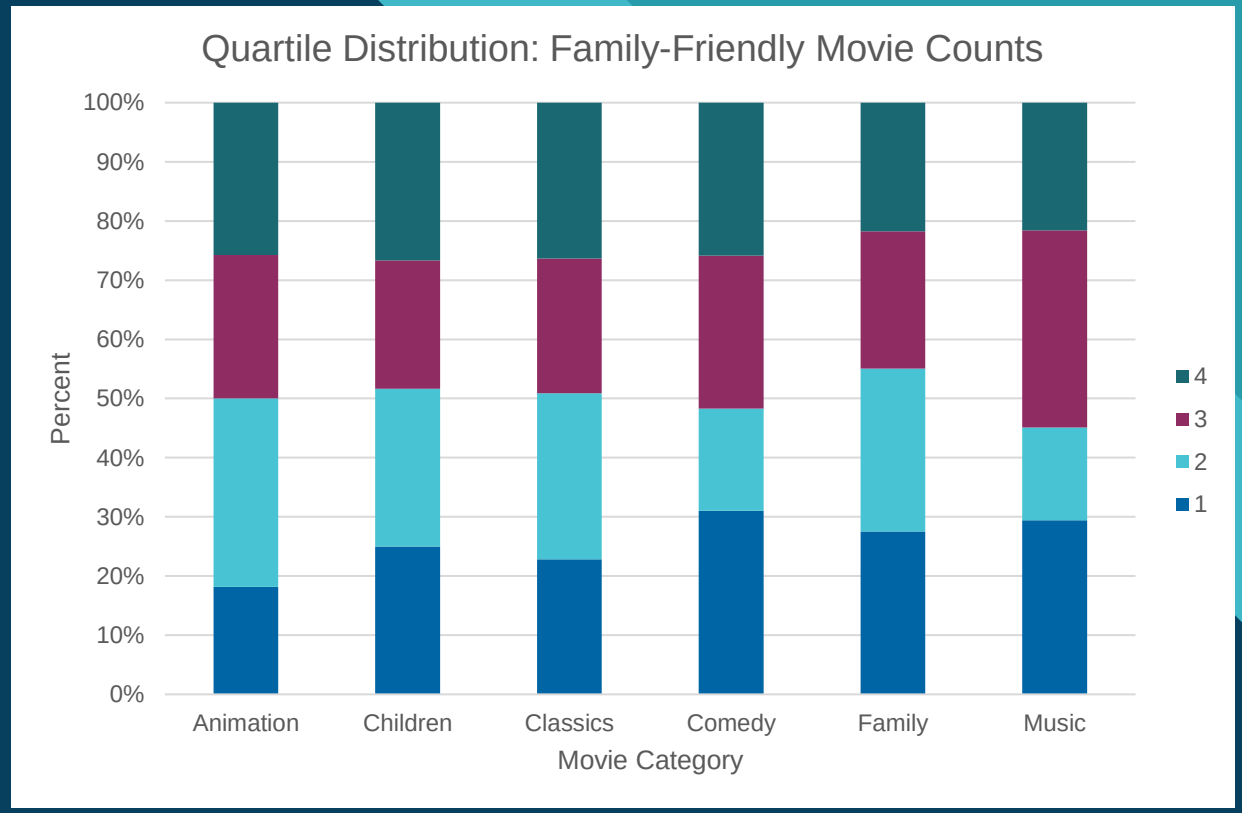
Set 1 Question 3

Question:

- Finally, provide a table with the family-friendly film category, each of the quartiles, and the corresponding count of movies within each combination of film category for each corresponding rental duration category. The resulting table should have three columns:
  - Category
  - Rental length category
  - Count

Analysis:

- Each of the family-friendly movie categories have a similar quartile distribution for the count of movies within the category.



Query Location:

- Document: SQL Project Queries.txt
- Section: --Set 1 q3:

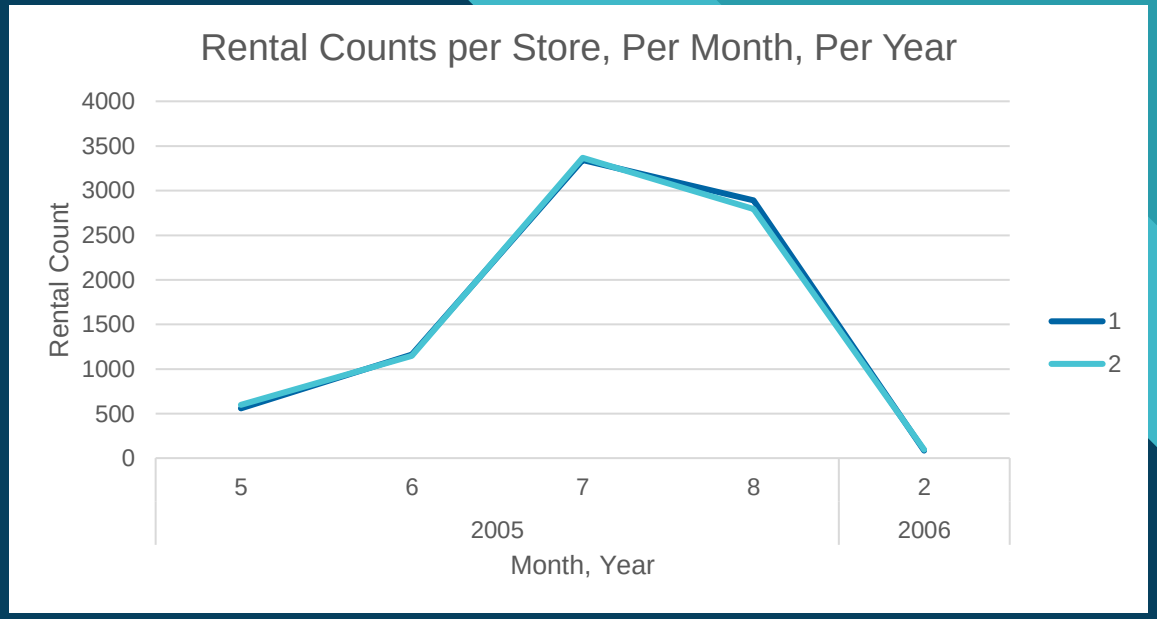
Set 2 Question 1

Question:

- Write a query that returns the store ID for the store, the year and month and the number of rental orders each store has fulfilled for that month. Your table should include a column for each of the following: year, month, store ID and count of rental orders fulfilled during that month.

Analysis:

- Store 1 and Store 2 have essentially matching sales during the provided years and months. Store 1's sales were slightly higher during August of 2005.



Query Location:

- Document: SQL Project Queries.txt
- Section: --Set 2 q1: