

INTRODUCTION

This project uses SQL to clean and analyze Netflix data. By organizing and exploring the dataset, we answer key questions about content types, popular genres, ratings, and trends across countries. Key steps include:

- Cleaning data by handling missing values.
- Counting movies vs. TV shows.
- Identifying popular genres and top-rated content.
- Analyzing content trends by year and region.

BACKGROUND

Netflix, a global streaming platform, offers a wide variety of movies, TV shows, and documentaries. Understanding its content library can reveal trends in popular genres, regional content, and viewer preferences.

In this project, we use SQL to clean and analyze Netflix's data. By organizing and exploring the dataset, we aim to uncover useful insights that can help guide content decisions and improve recommendations.

GOALS

The goal of this project is to clean and analyze Netflix's content data using SQL to uncover useful insights. We aim to identify popular content types, genres, and ratings, as well as trends in content release by country and year. Additionally, we'll explore which directors and actors appear most often and categorize content based on keywords in descriptions. Overall, this analysis will provide a clearer understanding of Netflix's catalog and help guide content recommendations and strategy.

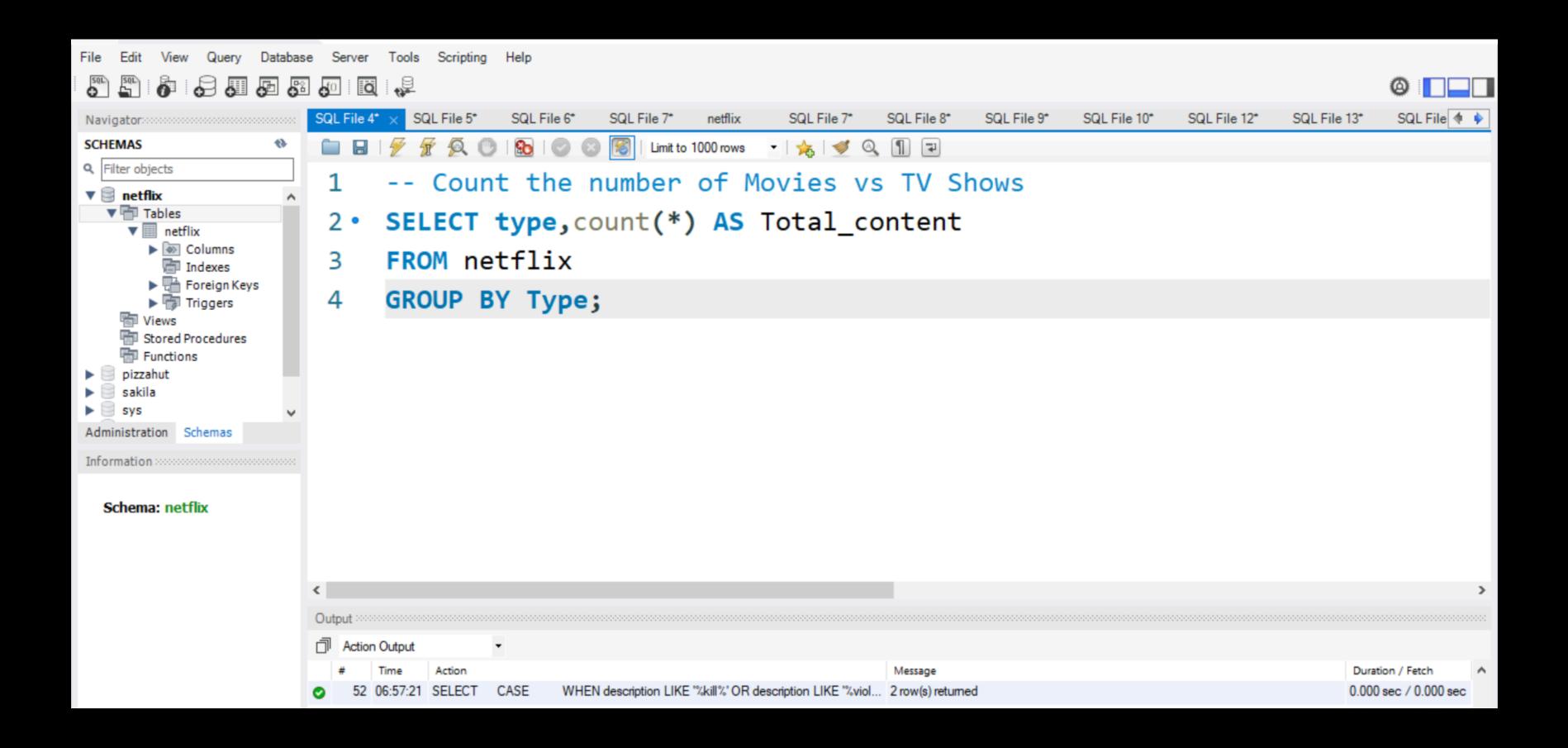
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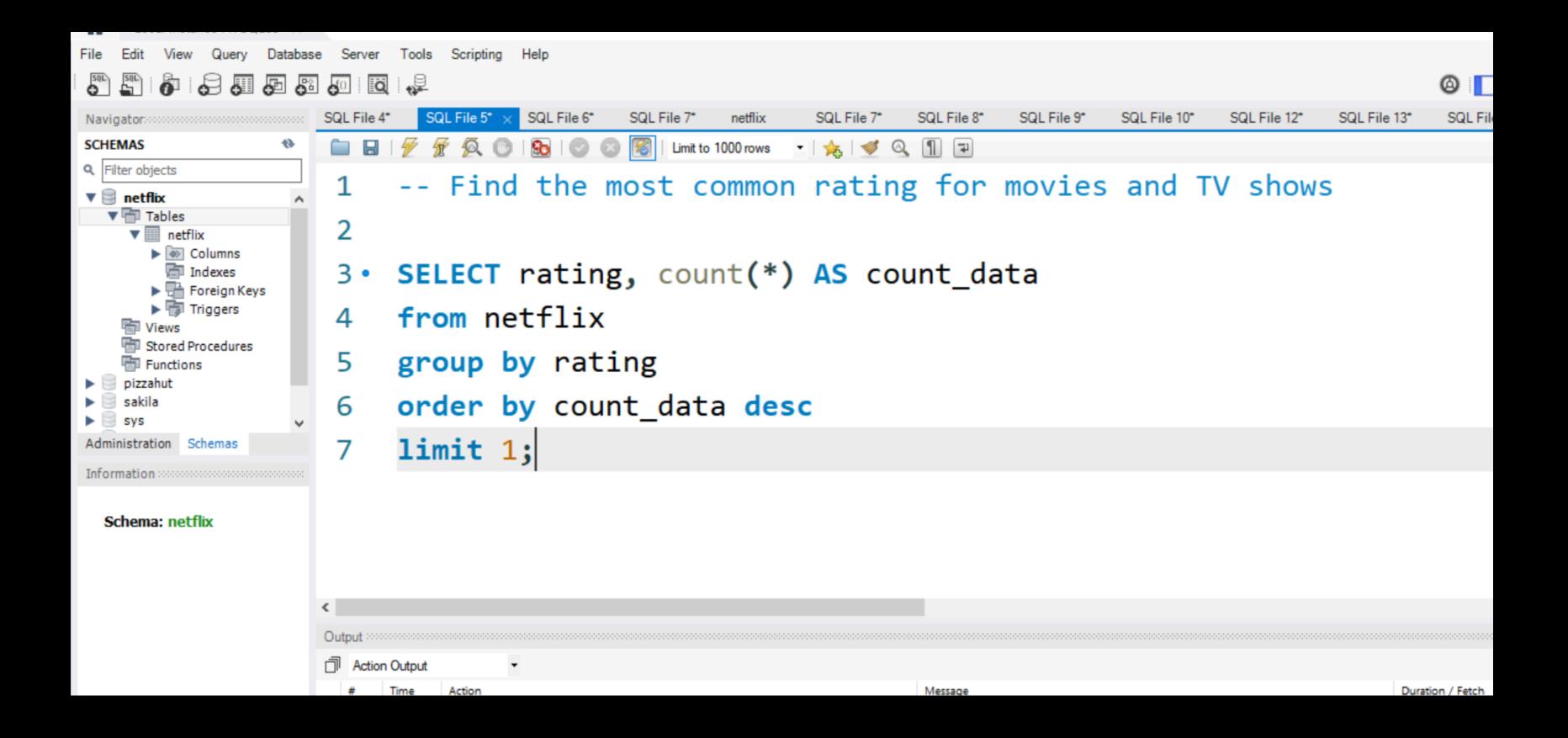
This project addresses key questions about Netflix's content library, including:

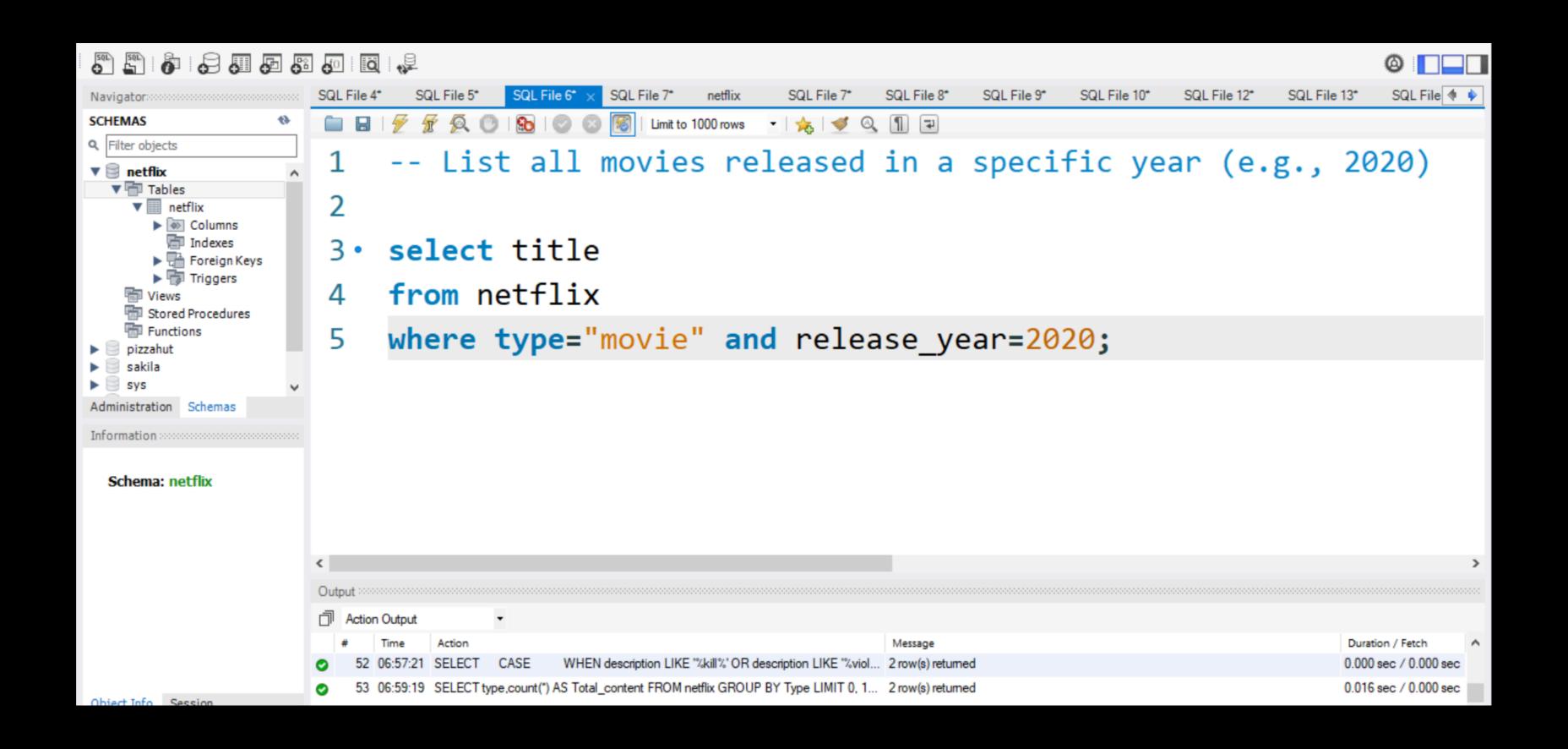
- 1. Count the number of Movies vs TV Shows
- 2. Find the most common rating for movies and TV show
- 3. List all movies released in a specific year (e.g., 2020)
- 4. Find the top 5 countries with the most content on Netflix
- 5. Identify the longest movie
- 6. Find content added in the last 5 years
- 7. Find all the movies/TV shows by director 'Rajiv Chilaka'!

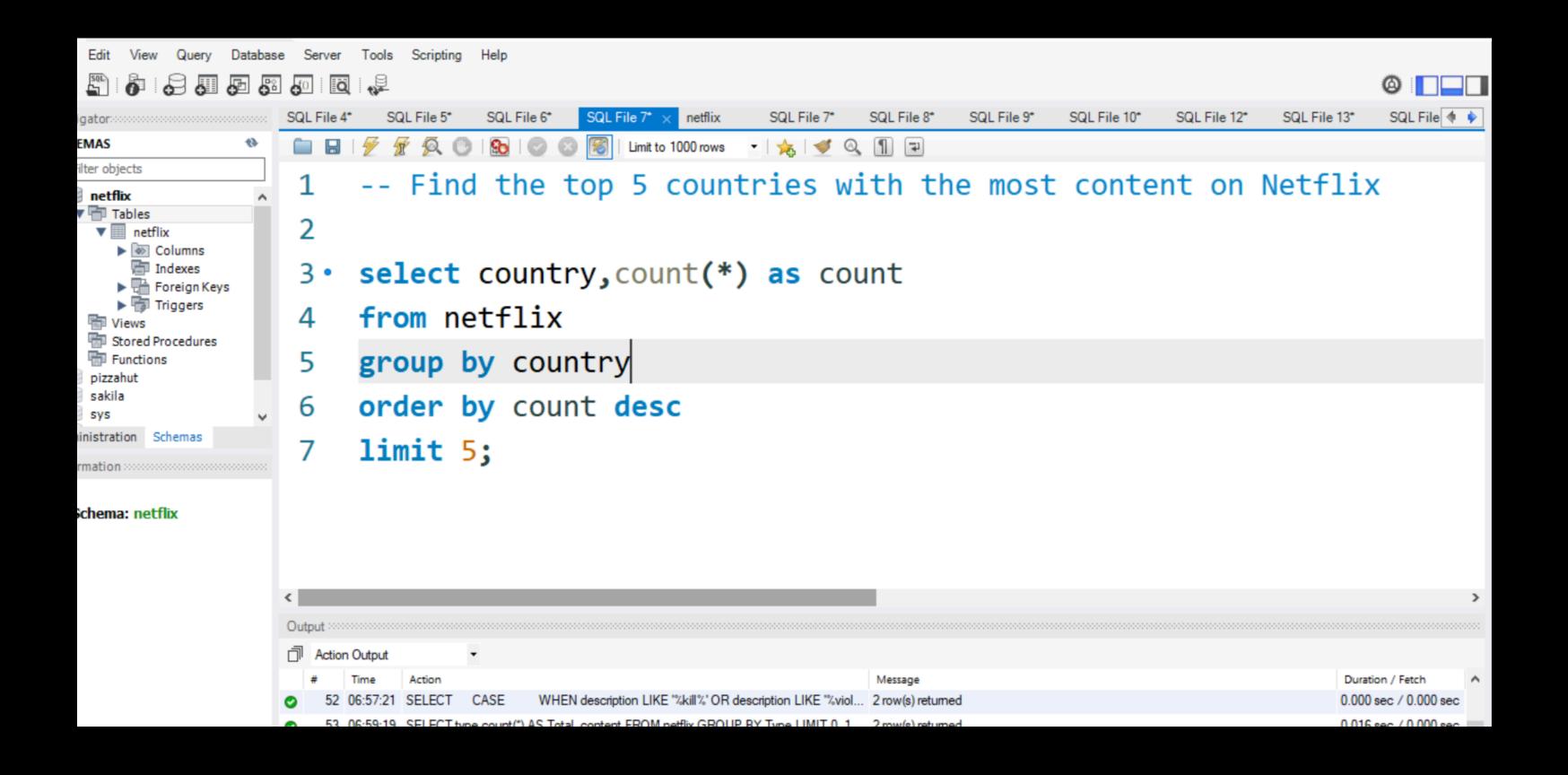
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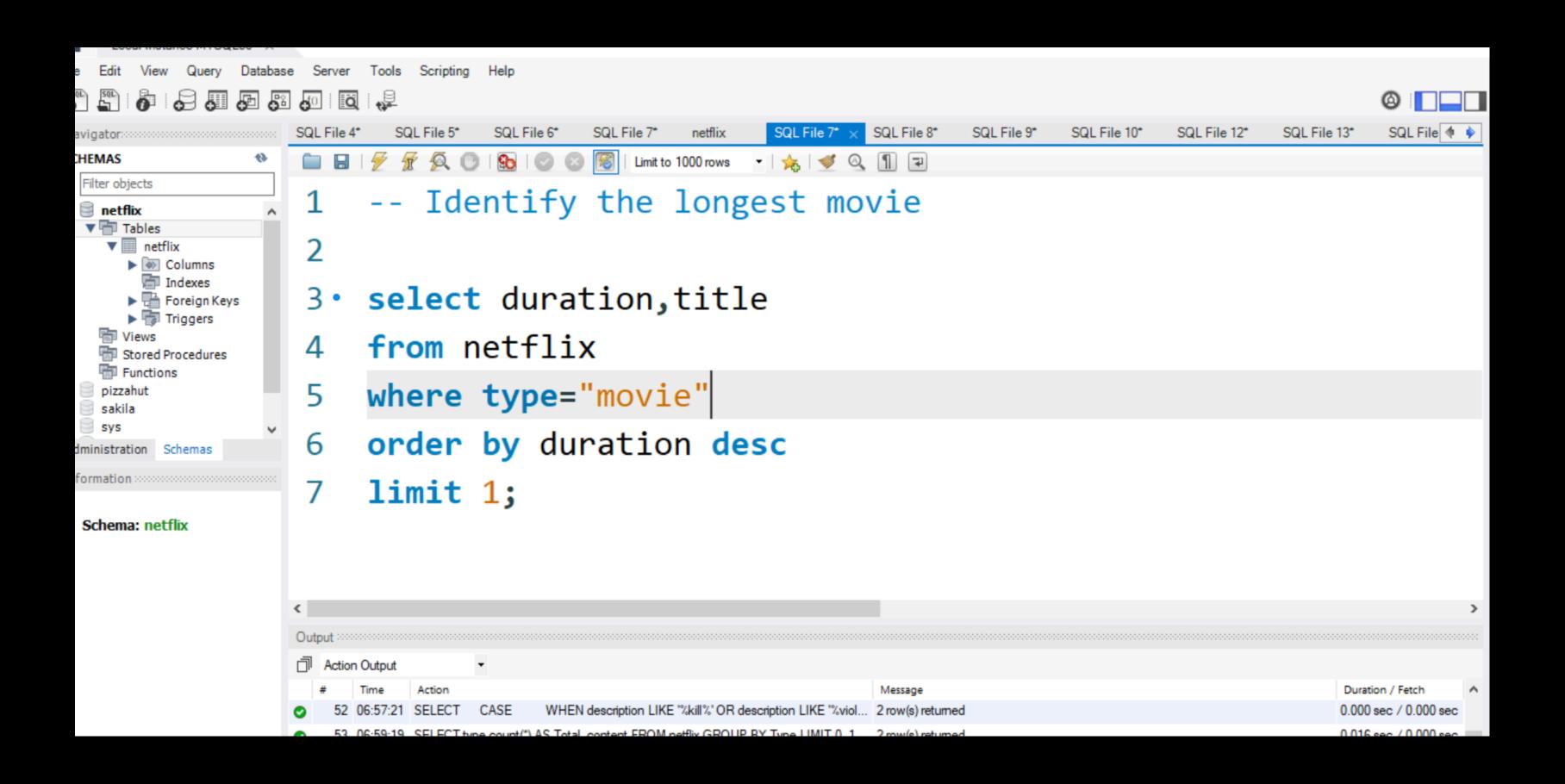
- 8. List all TV shows with more than 5 seasons.
- 9. Find each year and the average numbers of content release in India on netflix. return top 5 year with highest avg content release.
- 10. List all movies that are documentaries.
- 11. Find all content without a director.
- 12. Find how many movies actor 'Salman Khan' appeared in last 10 years.
- 13.Categorize the content based on the presence of the keywords 'kill' and 'violence' in the description field.

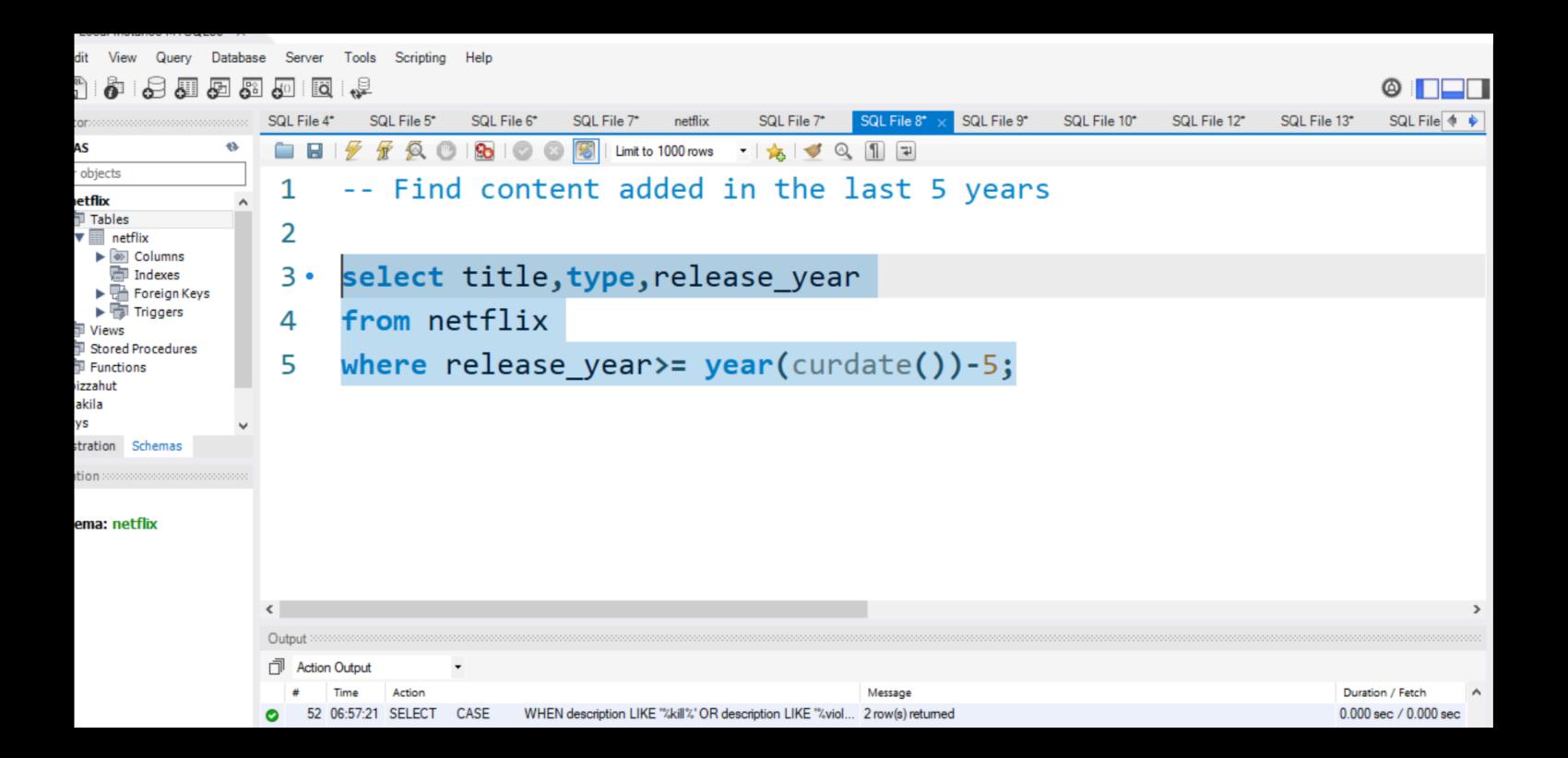


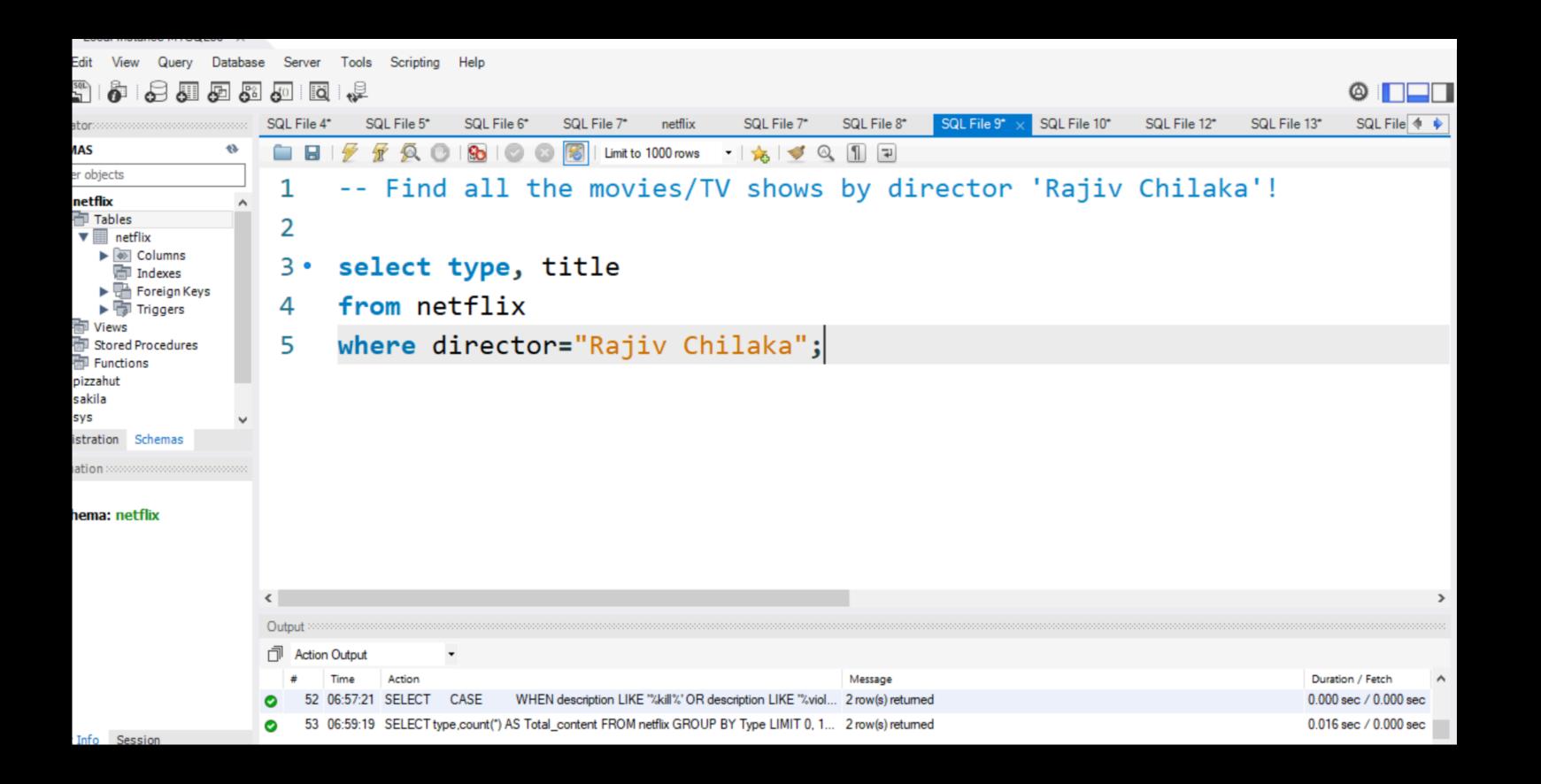


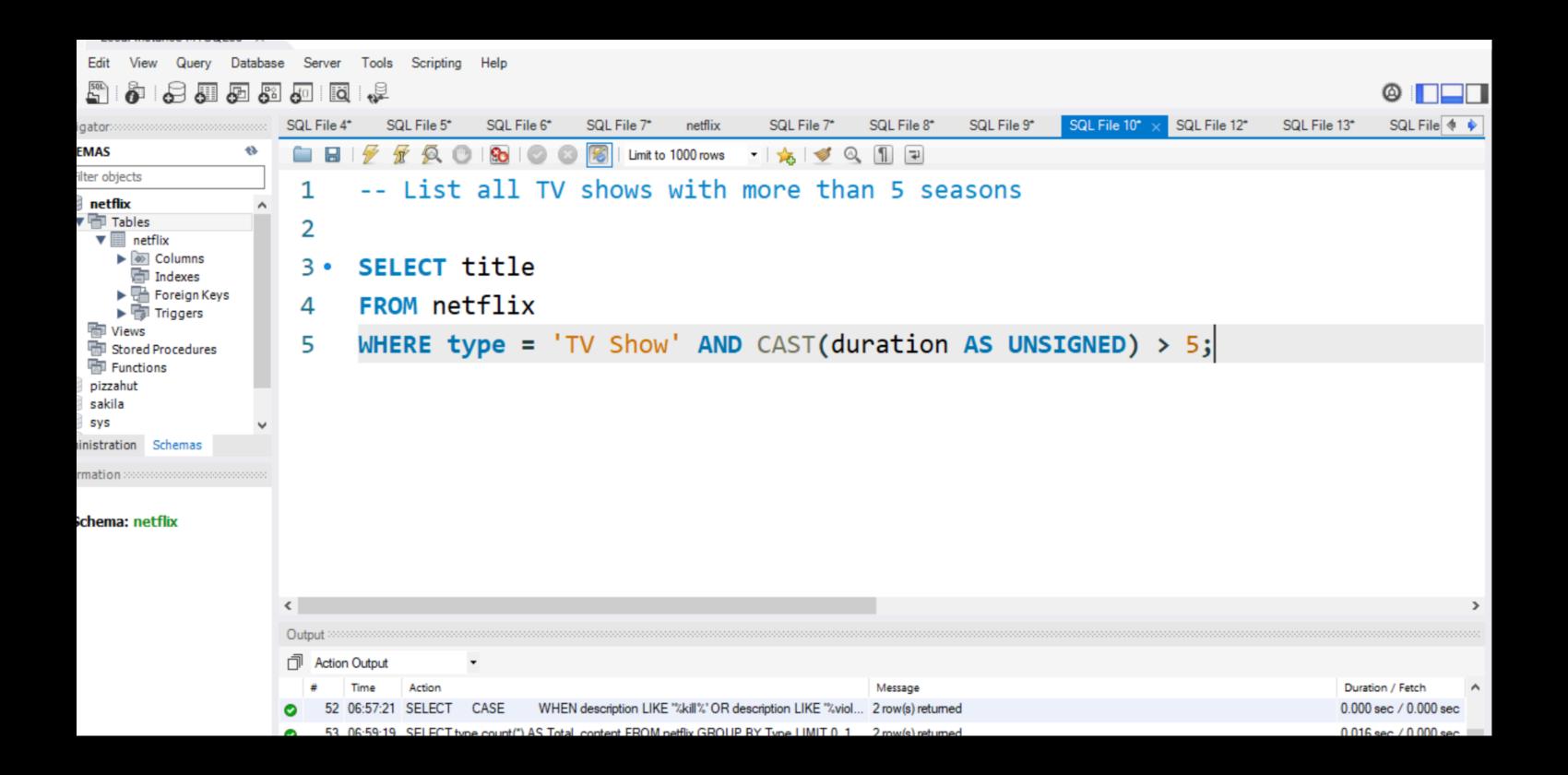


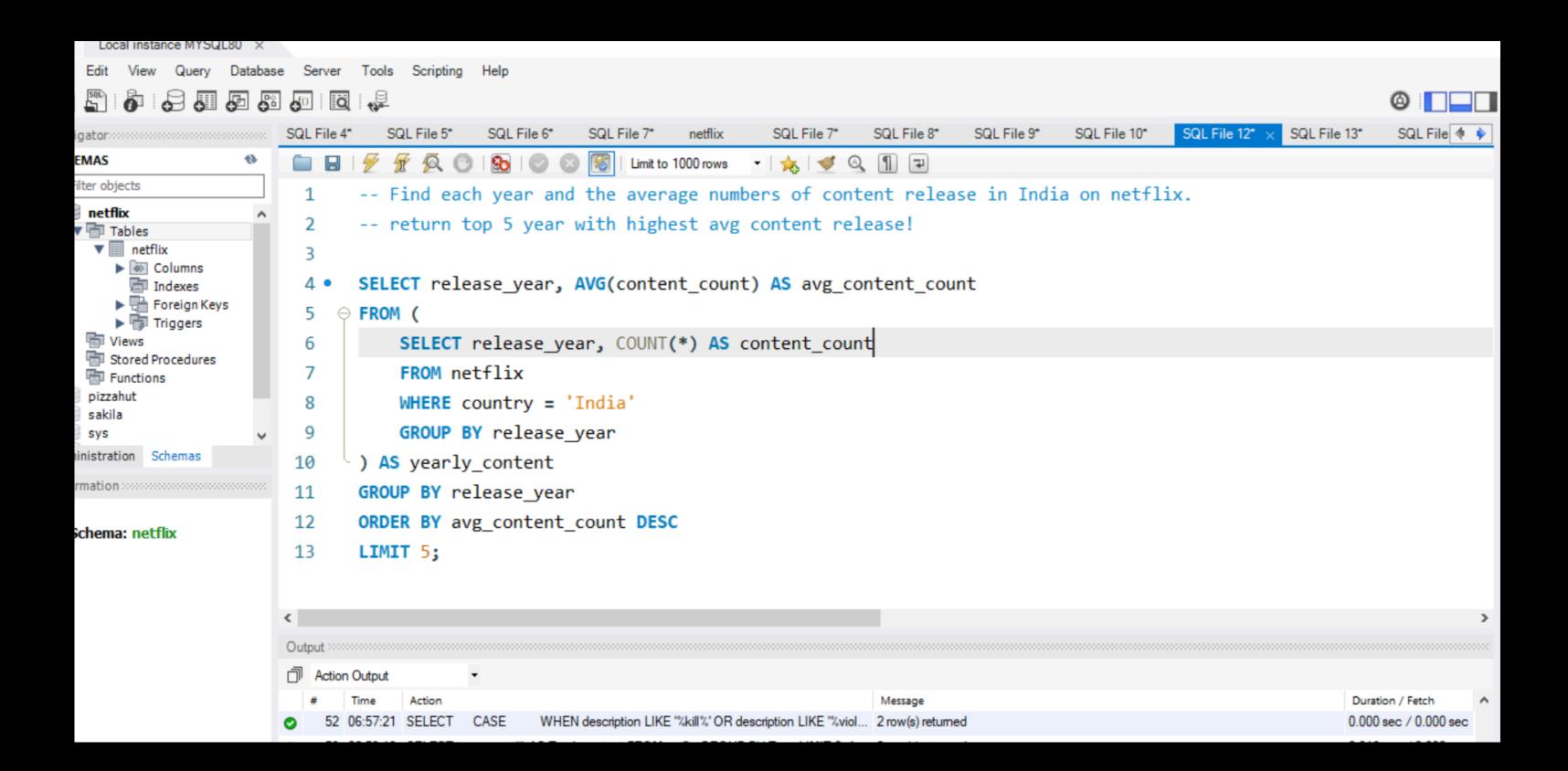


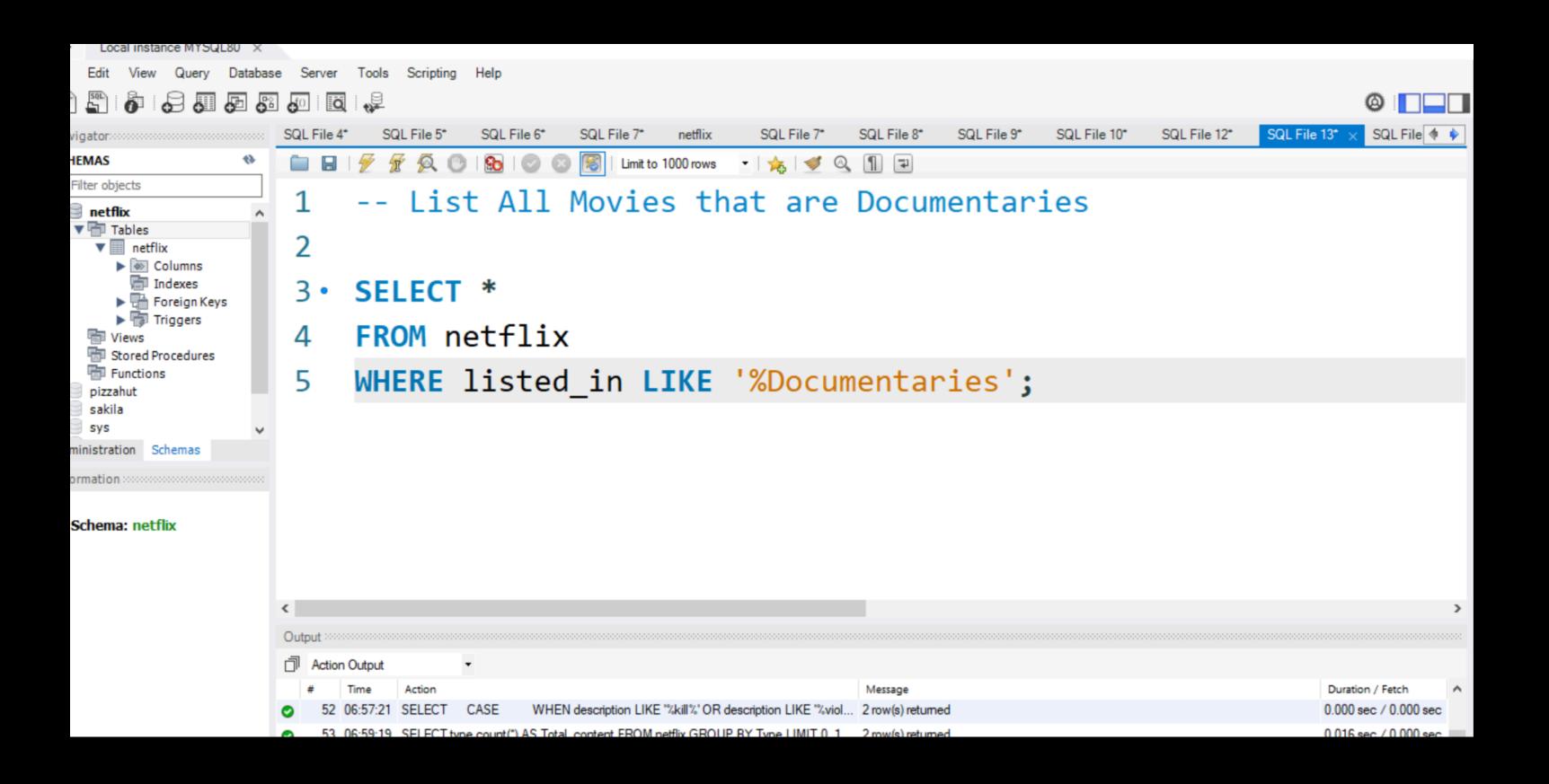


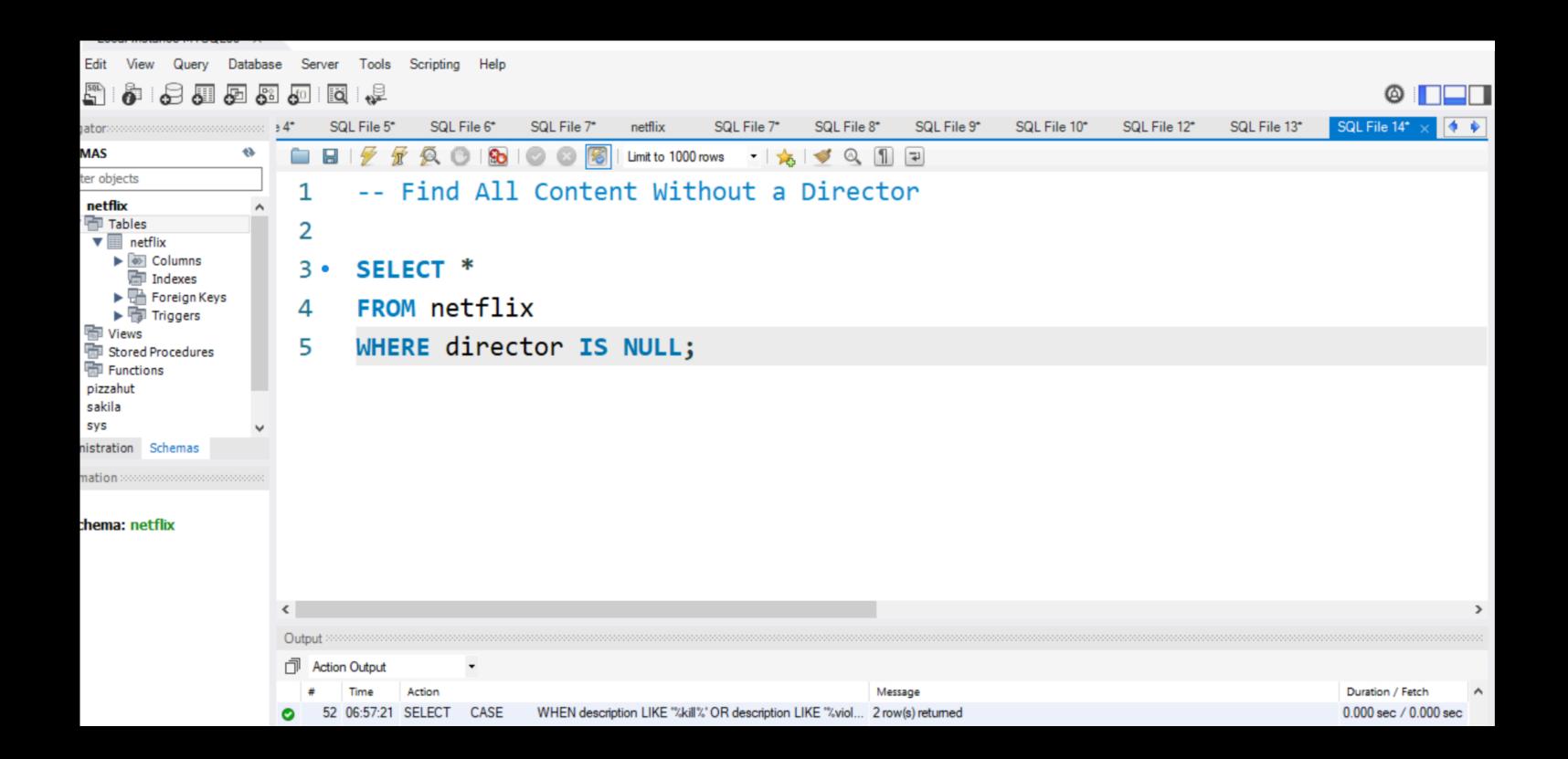


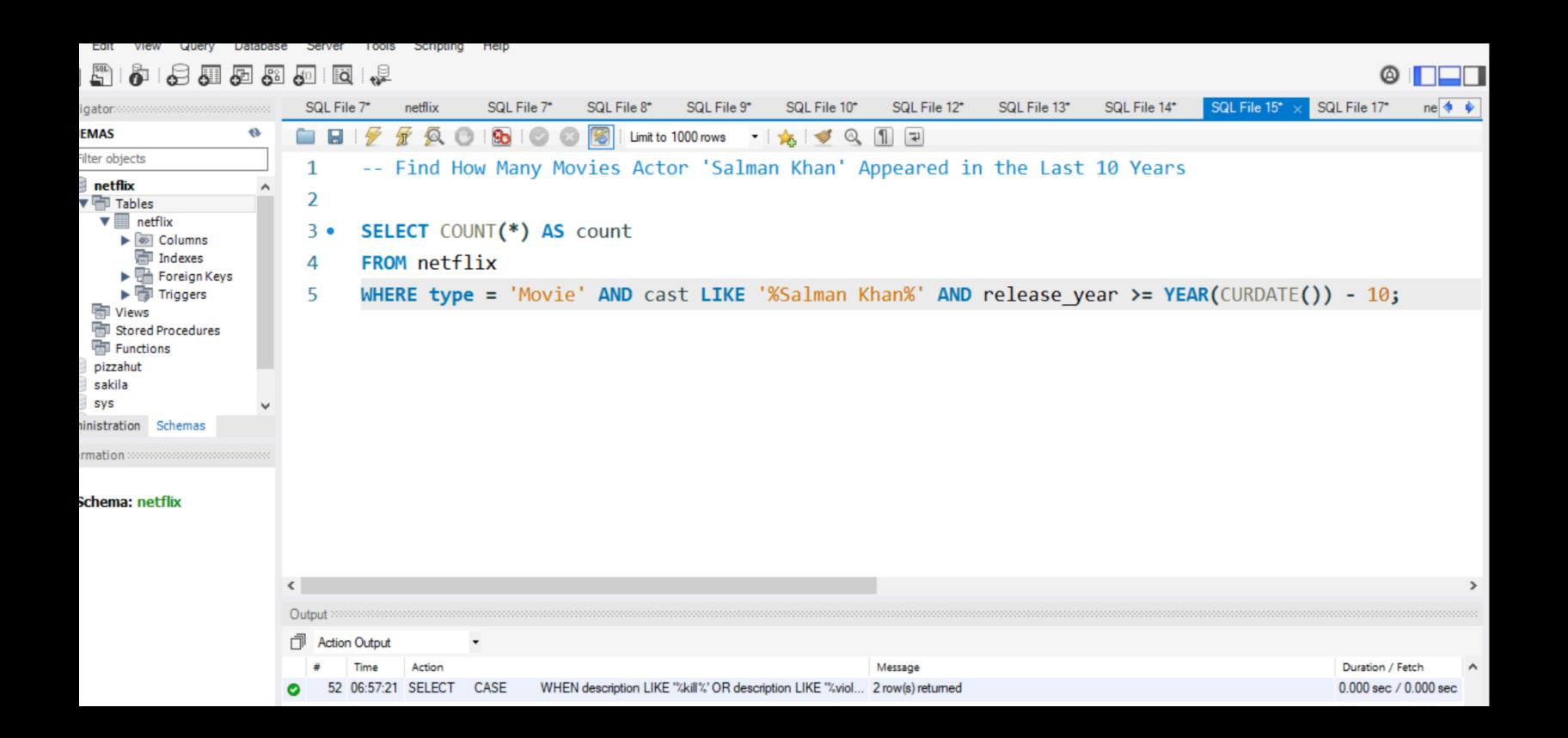


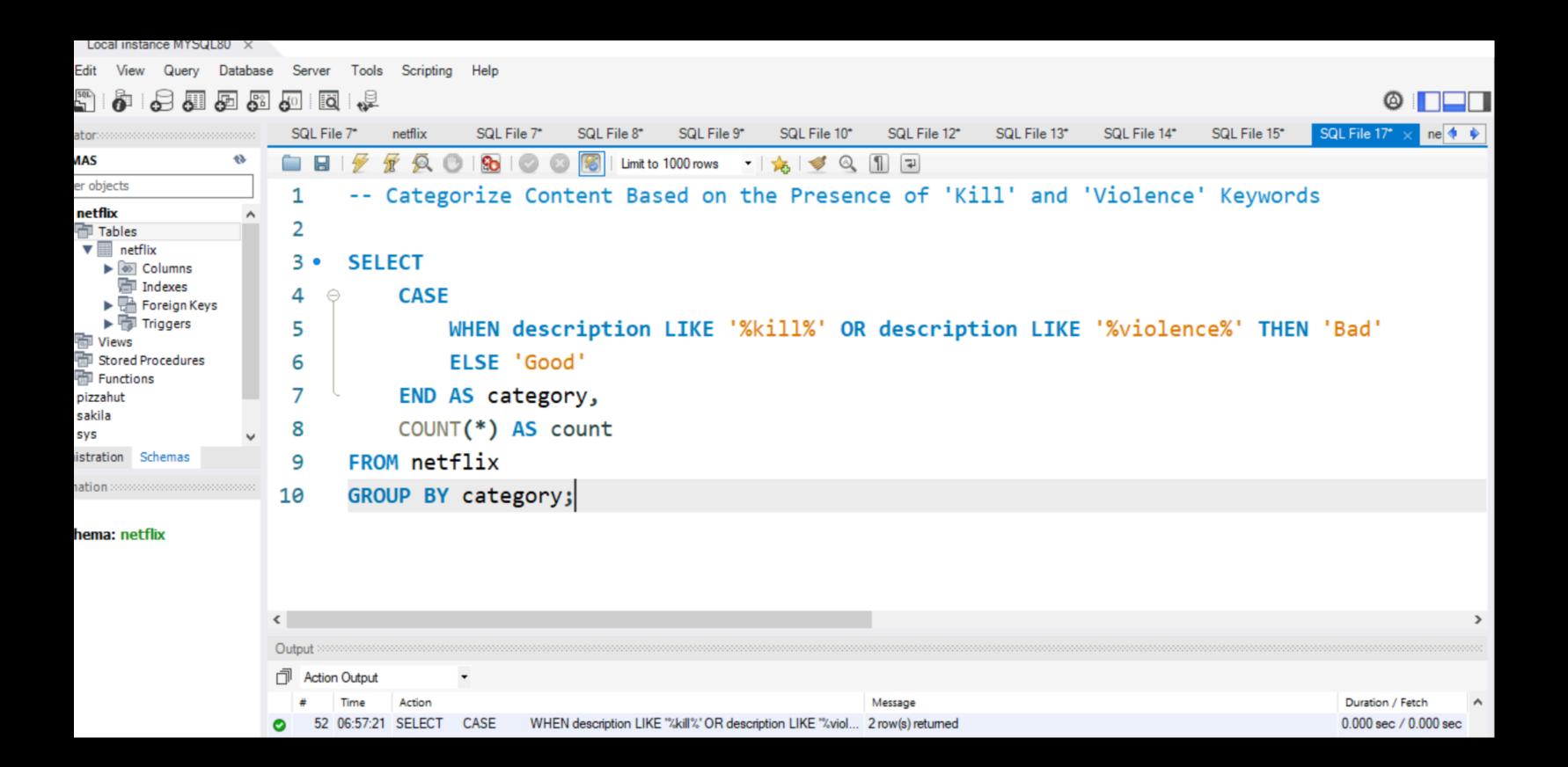












ANALYSIS

This project analyzes Netflix's content data by cleaning and exploring it using SQL. We answer key questions like how many movies vs. TV shows are available, what genres and ratings are most common, and which countries have the most content. We also look at trends in content released over the years, the most popular directors and actors, and classify content based on keywords in descriptions. The goal is to uncover patterns in Netflix's catalog to help guide content decisions and improve recommendations.

CONCLUSION

This project successfully analyzed Netflix's content data using SQL to uncover key patterns and insights. By cleaning the data and answering important questions, we gained a better understanding of content distribution, popular genres, ratings, and regional trends. We also identified trends over the years, as well as the influence of specific directors and actors. These insights can be used to improve content strategies and recommendations on the platform, providing valuable information for content creators and business decisions.

THANK YOU

BY RAHUL YADAV