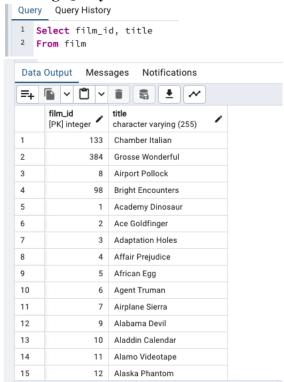
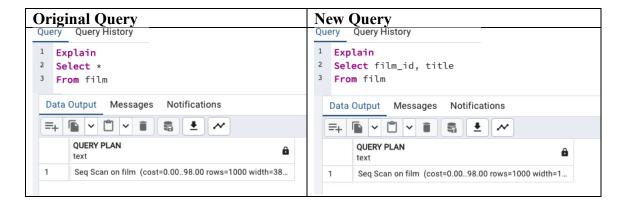
# Katie Goyal

### 3.4 Database Querying in SQL

## 1. Refining Query

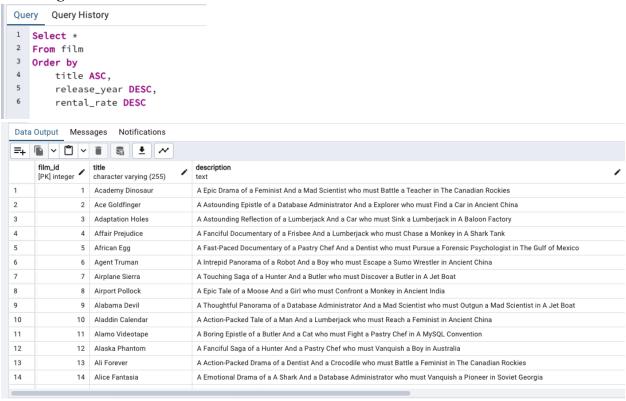


# 2. Cost Comparison



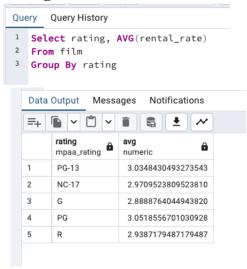
When examining the text that is given from the query, we see that there are 1000 rows. This is a large amount of data to be pulling from. If the query was reduced to less rows it will be more efficient.

#### 3. Ordering the Data

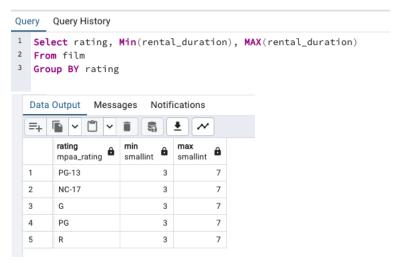


# 4. Grouping Data

#### Average rental rates



Minimum and maximum rental duration in each category



Min is 3 and the max is 7

#### 5. Database Migration

- To successfully integrate and migrate user behavior data from external tool into Rock buster Android apps a structured approach involving multiple teams is essential. To make this work we will need data architects and business analysts to assess the data and plan out schemas. Data engineers are also key to design and test the necessary processes. Once validated the processes will be monitored and optimized by IT support to help manage data quality. Lastly documentation and training is needed to measure stakeholders can effectively utilize the new data insights.
- Analyzing data without proper transformation and normalization can lead to inaccurate insights, affecting important business decisions. Skipping the checks and balances of a data warehouse increases risks like data corruption, duplication, or loss, compromising analysis reliability. Additionally, this approach can cause inefficiencies when processing large datasets and may lead to compliance and security issues, since data warehouses enforce strict protocols and measures.