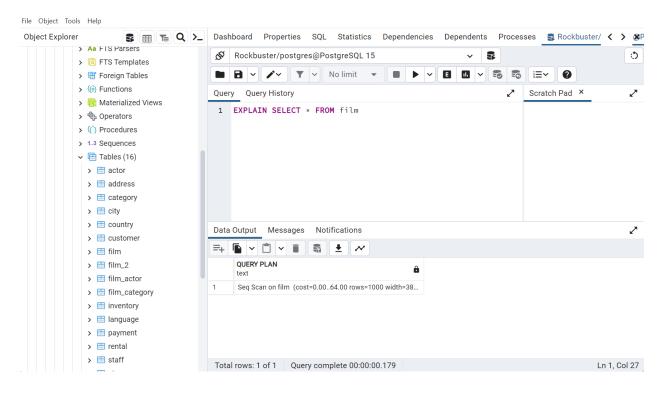
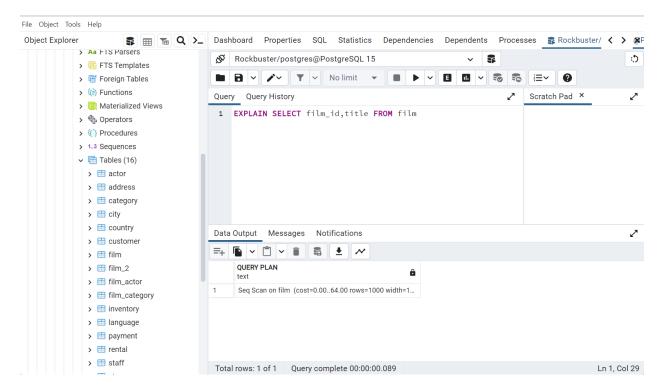
STEP 1:

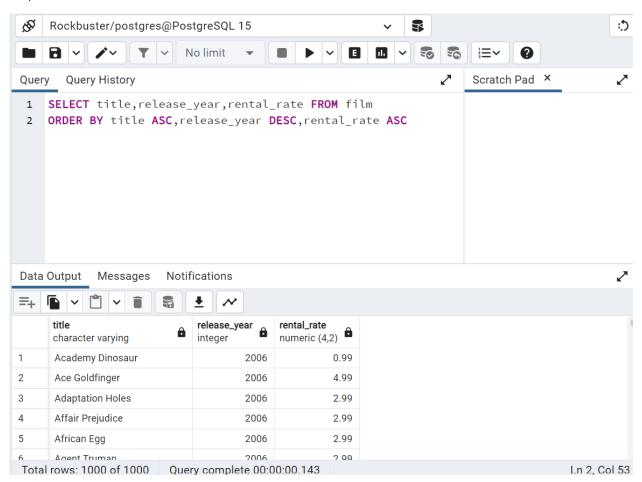




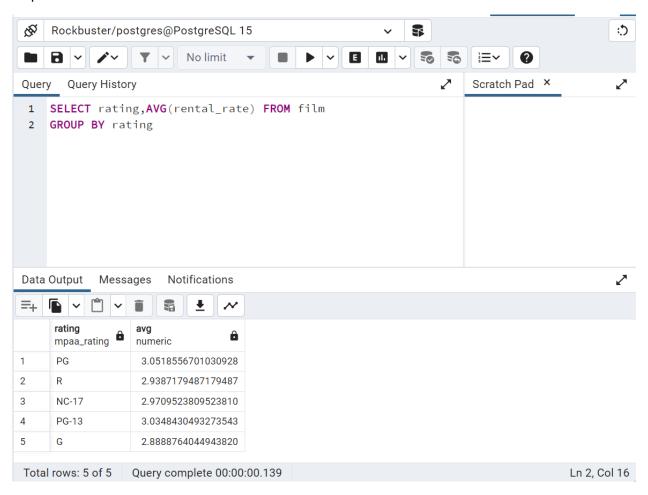
The cost of the original Query and revised query both are same, however, the columns returned are different in both queries.

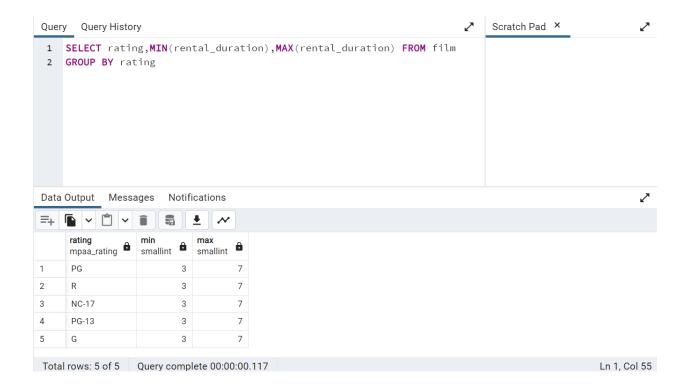
I think, the revised query is already optimized as compared to original query. However, we can use LIMIT to limit the number of rows returned. We can also use WHERE clause to improve the query performance by reducing the number of rows.

Step2:



Step3:





STEP4:

Procedure:

While the process of migrating the data is generally the responsibility of the data engineer, they would likely use the ETL process. First, the data is Extracted from the relevant data source, which in this case would be the new tool that is collecting data on user behavior in the Android App. This data would then be Transformed which converts the data into the appropriate format. Finally, the data is Loaded into the existing data warehouse for us to analyze.

Potential Issues:

If we analyze the data from this one source before loading it into the data warehouse, we're likely going to be missing some relevant information. For one, it is just one source of information, which may create skewed analysis. If it were in combination with our other available data it would be a more complete. Additionally, we may be less familiar with the format the data is in, or there could be errors in the data