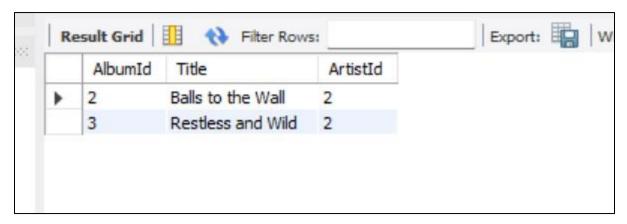
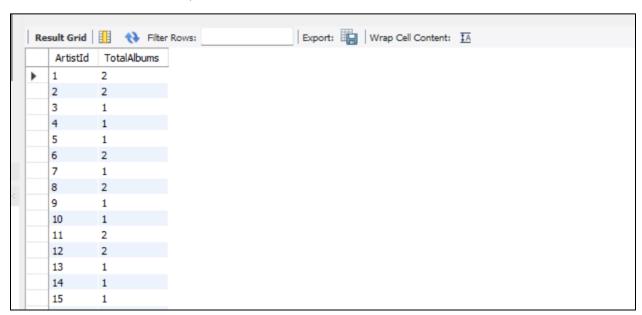
Task 3: SQL for Data Analysis

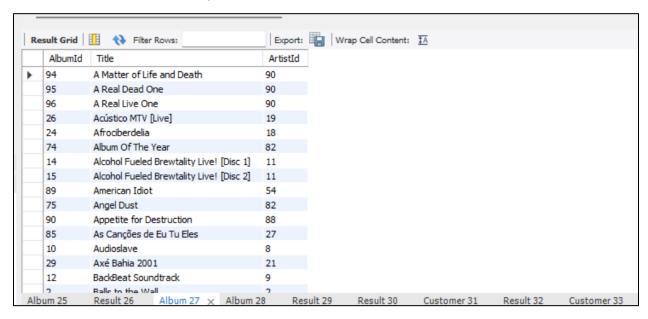
- 1. Find albums by a specific artist
- ➤ SELECT * FROM Album WHERE ArtistId = 2;



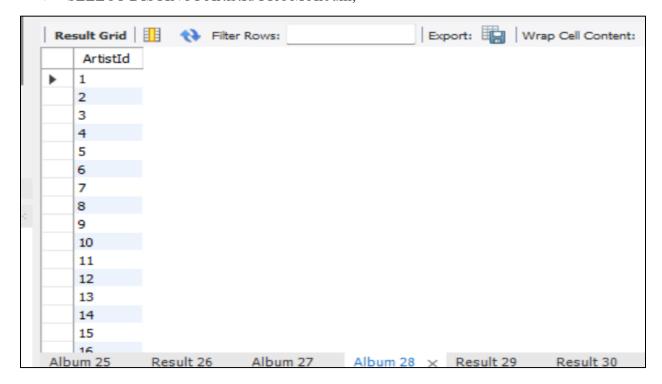
- 2. Count number of albums per artist
- ➤ SELECT ArtistId, COUNT(*) AS TotalAlbums
- > FROM Album
- ➤ GROUP BY ArtistId;



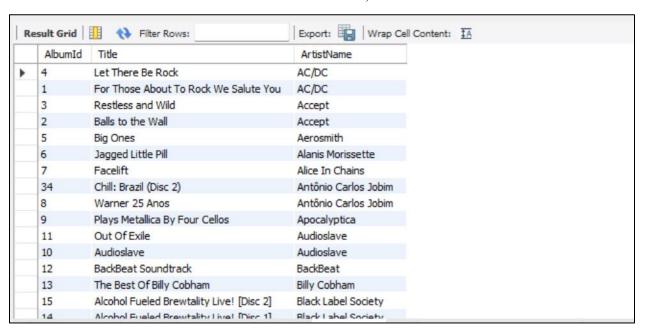
- 3. Get albums ordered by title alphabetically
- ➤ SELECT * FROM Album
- ➤ ORDER BY Title ASC;



- 4. Find distinct artist IDs
- > SELECT DISTINCT ArtistId FROM Album;



- 5. Get All Albums with Artist Name
- > SELECT Album.AlbumId, Album.Title, Artist.Name AS ArtistName
- > FROM Album
- ➤ JOIN Artist ON Album.ArtistId = Artist.ArtistId;



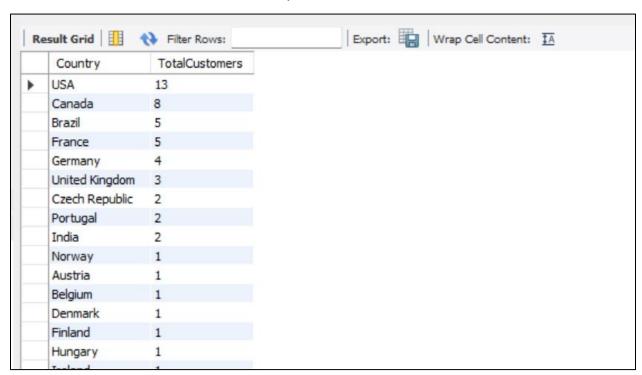
- 6. Count of Albums by Each Artist
- ➤ SELECT Artist.Name, COUNT(*) AS AlbumCount
- > FROM Album
- ➤ JOIN Artist ON Album. ArtistId = Artist. ArtistId
- ➤ GROUP BY Artist.Name
- ➤ ORDER BY AlbumCount DESC;



- 7. List All Customers From a Specific Country
- ➤ SELECT * FROM Customer
- ➤ WHERE Country = 'USA';



- 8. Count Customers per Country
- ➤ SELECT Country, COUNT(*) AS TotalCustomers
- > FROM Customer
- ➤ GROUP BY Country
- ➤ ORDER BY TotalCustomers DESC;



- 9. Full Customer Info With No Company Listed
- ➤ SELECT * FROM Customer
- ➤ WHERE Company IS NULL OR Company = ";



- 10. Create a View for Customers and Their Locations
- ➤ CREATE VIEW CustomerLocations AS
- > SELECT CustomerId, FirstName, LastName, City, Country
- > FROM Customer;

