

## MSA 2020: Final SQL Assessment

1. How many customers are in the *Customer* table? (5 points)
2. How many customers live in London? (5 points)
3. How many customers have gmail addresses? (10 points)
4. Create a report to find all albums whose Title starts with the letter "K." List their AlbumID and Title. Order the report by descending AlbumID. (10 points)
5. Create a report to find all albums whose Title starts with the letter "M." List their AlbumID, Title, and Artist Name. Order the report by descending AlbumID. (10 points)
6. Using the *Track* table, provide a report that lists the average Unitprice for each GenreID. List the GenreID in descending order. (10 points)
7. List the cities where either a customer or an employee lives. Remember to remove duplicates. (5 points)
8. Provide the count of cities where either a customer or an employee lives. Remember to remove duplicates. (5 points)
9. Using the *Invoice* table, provide a report that lists BillingCity and the average of Total for each BillingCity. **However**, only list those Billing Cities whose average of Total are higher than 6. (5 points)
10. Using the *Invoice* table, provide a report that lists BillingCity and the average of Total for each BillingCity. **However**, only list those Billing Cities whose average of Total are higher than the average of Total of the entire Invoice table. (5 points)
11. Provide a report that lists the artist name and the count of albums per artist. Provide the count of albums in descending order. (10 points)
12. Using the *Track*, *Genre*, and *MediaType* tables, create a **new table** called Test.All\_Data that lists Track Name, Genre Name and the MediaType Name. Order by descending Track Name. (10 points)
13. Insert a new genre, named "Disco" with ID=26, into the *Genre* table. (10 points)