Sql Case Study -
Music Store

The Music Store sells a wide variety of music, including albums, tracks, and playlists. It also allows customers to create their own playlists. The store has a large number of employees, who work at multiple locations in Canada. The store also has a large number of customers world-wide, who make regular purchases.

The data is available in 11 csv files:

– Artist   – Album   – Track
– Customer   – Invoice   – Invoice Line
– Playlist   – Playlist Track   – Media Type
– Employee   – Genre

The column description for these csv files is given below :

1. Artist

Column Name	Description
artist_id name	A unique ID for each Artist Name of the Artist

2. Album

Column Name	Description
album_id name artist_id	A unique ID for each Album Name of the Album A unique ID for each Artist (can be duplicates)

3. Track

Column Name	Description
track_id name album_id media_type_id genre_id composer milliseconds bytes	A unique ID for each Track Name of the Track An ID of album (can be duplicates) An ID of media_type (can be duplicates) An ID of genre (can be duplicates) Name of the Composer Track length in milliseconds Size of Track in bytes

unit_price	Price of each track

4. Media Type

Column Name	Description
media_type_id name	A unique ID for each Media type Name of the Artist

5. Genre

Column Name	Description
genre_id name	A unique ID for each Genre Name of the Genre

6. Playlist

Column Name	Description
playlist_id name	A unique ID for each Playlist Name of the Playlist

7. Playlist Track

Column Name	Description
playlist_id track_id	An ID of playlist (can be duplicates) An ID of track (can be duplicates)

8. Invoice Line

Column Name	Description
invoice_line_id invoice_id track_id unit_price quantity	A unique ID for each An ID of invoice (can be duplicates) An ID of track (can be duplicates) unit price of each track number of track ordered

9. Invoice

Column Name	Description
invoice_id	A unique ID for each Invoice
customer_id	An ID of customer (can be duplicates)
invoice_date	date and time of invoice
billing_address	billing address of the customer
billing_city	billing city of the customer
billing_state	billing state of the customer
billing_country	billing country of the customer
billing_postal_code	billing postal code of the customer
total	total amount of the bill

10. Customer

Column Name	Description
customer_id	A unique ID for each Customer
first_name	First name of the customer
last_name	Last name of the customer
company	Company name where the customer works at
address	Address of the customer
city	City where the customer lives in
state	State where the customer lives in
country	Country where the customer lives in
postal_code	Postal Code of the customer
phone	Phone No. of the customer
fax	Fax No. of the customer
email	Email-ID of the customer
support_rep_id	An ID of employee for customer support (can be duplicates)

11. Employee

Column Name	Description
employee_id	A unique ID for each Employee
last_name	Last name of the employee
first_name	First name of the employee
title	Job title of the employee
reports_to	An ID of employee that they reports to (can be duplicates)
levels	Level of the job title (L1-L7)
birth_date	Date of birth of the employee
hire_date	Hiring date of the employee
address	Address of the employee
city	City where the employee lives in
state	State where the employee lives in
country	Country where the employee lives in
postal_code	Postal Code of the employee
phone	Phone No. of the employee

fax	Fax No. of the employee
email	Email-ID of the employee