Answers to SQL Questions

1. **Give me list of Customers whose First Name starts with N Or they Live in city xyz.  (Return me Customer Id, First name, Last Name, City)**

* SELECT CustomerId as 'Customer\_Id',FirstName as 'First\_Name' ,LastName as 'Last\_Name' ,City

FROM Customers

WHERE FirstName LIKE 'N%' OR City='Oslo'

1. **Give me list of Tracks where unit prize range between x and y and whose composer name does not contain 'T' (Return me Track Id, Name, Composer, Unit Price)**

* SELECT TrackId as 'Track\_ID', Name, Composer, UnitPrice as 'Unit\_Price'

FROM Tracks

WHERE UnitPrice BETWEEN 0.1 AND 1.0

AND Composer NOT LIKE '%T%'

1. **Calculate the sum of total Invoice bill and average of total Invoice bill for each day of month (June 2020). (Return me Invoice Date, Sum of Total bill for that day, Average of Total Bill for that day)**

* SELECT InvoiceDate,SUM(Total) AS Sum\_Bill, AVG(Total) AS Avg\_Bill

FROM Invoices

WHERE strftime('%Y-%m', InvoiceDate) = '2009-06'

GROUP BY InvoiceDate

1. **Total Quantity of Each Track ID purchased so far. Sort the Track IDs in Descending order of it’s total Count (Return me Track ID and its total Quantity)**

* SELECT TrackId,SUM(Quantity) AS Sum\_Quantity

FROM invoice\_items

GROUP BY TrackId

ORDER BY Sum\_Quantity desc;

1. **Give me list of Artist IDs,  whose none of the tracks are present in any Playlist. (Return Artist IDs and their names)**

* SELECT \*

FROM Artists

WHERE ArtistId NOT IN (

SELECT ArtistId

FROM Albums

WHERE AlbumId IN (

SELECT AlbumId

FROM Tracks

WHERE TrackId IN (

SELECT TrackId

FROM Playlist\_Track

)

)

);

1. **Give me a list of Album ID whose Tracks are present in more than 10 playlist(Return me Album ID, it's Title and the count of playlists wherein it's tracks are present)**

* SELECT a.AlbumId, a.Title, COUNT(c.PlaylistId) AS count\_playlist

FROM Albums a

INNER JOIN Tracks b ON a.AlbumId = b.AlbumId

INNER JOIN Playlist\_track c ON b.TrackId = c.TrackId

GROUP BY a.AlbumId,a.Title

having count\_playlist>10;