Practice exercise on chinook (Part-2)

Using the chinook database, write SQLite queries to answer the following questions in DB Browser.

Q.1 Display Most used media types: their names and count in descending order.

```
select mt.Name, count(mt.MediaTypeId) AS Counts
from media_types mt
inner join tracks t on mt.MediaTypeId = t.MediaTypeId
GROUP BY mt.MediaTypeId
ORDER BY Counts DESC;
```

Q.2 Provide a query showing the Invoices of customers who are from Brazil. The resultant table should show the customer's full name, Invoice ID, Date of the invoice and billing country.

```
SELECT c.FirstName||" "||c.LastName as "Customers",
i.InvoiceId,i.InvoiceDate,i.BillingCountry
FROM customers c
INNER JOIN invoices i
ON i.CustomerId = c.CustomerId
where c.Country = "Brazil";
```

Q.3 Display artist name and total track count of the top 10 rock bands from dataset.

```
select a.name, count( t.TrackId) as Track_counts
from albums al inner join artists a on a.ArtistId=al.ArtistId inner join tracks t on
t.AlbumId=al.AlbumId inner join genres g on g.GenreId=t.GenreId
where t.GenreId=1
```

```
group by al.ArtistId

order by Track_counts desc limit 10
```

Q.4 Display the Best customer (in case of amount spent). Full name (first name and last name)

```
SELECT (c.FirstName || " " || c.LastName) As CustomerName, round(sum(i.Total),2) As
AmountSpent

FROM invoices i inner join customers c on i.CustomerId = c.CustomerId INNER JOIN
invoice_items it ON i.InvoiceId = it.InvoiceId

group by c.FirstName, c.LastName

ORDER BY AmountSpent DESC

LIMIT 1;
```

Q.5 Provide a query showing Customers (just their full names, customer ID and country) who are not in the US.

```
SELECT FirstName||" "|| LastName as "Name", customerId, Country

FROM customers

WHERE Country!= "USA";
```

Q.6 Provide a query that shows the total number of tracks in each playlist in descending order. The Playlist name should be included on the resultant table.

```
SELECT p.Name, COUNT(pt.TrackId) as "Number Of Tracks"

FROM playlists p INNER JOIN playlist_track pt

ON p.PlaylistId = pt.PlaylistId

GROUP BY p.name

order by "Number of tracks" desc
```

Q.7 Provide a query that shows all the Tracks, but displays no IDs. The result should include the Album name, Media type and Genre.

```
SELECT a.Title as "Album", mt.Name as "Media type", g.Name as "Genre"
FROM tracks t JOIN albums a ON a.AlbumId = t.AlbumId JOIN media_types mt
ON mt.MediaTypeId = t.MediaTypeId JOIN genres g ON t.GenreId = g.GenreId
GROUP BY a.Title;
```

Q.8 Provide a query that shows the top 10 bestselling artists. (In terms of earning).

```
SELECT "Artist Name", "Total Earned"
FROM
(SELECT ar.Name as "Artist Name", SUM(t.UnitPrice) as "Total earned"
FROM tracks t JOIN albums a ON t.AlbumId = a.AlbumId JOIN artists ar
ON a.ArtistId = ar.ArtistId
GROUP BY ar.Name)
ORDER BY "Total Earned" DESC limit 10
```

Q.9 Provide a query that shows the most purchased Media Type.

```
SELECT "Media Type" as "Top Media Type", MAX("Times Purchased") as "Times
Purchased"
FROM
(SELECT m.Name as "Media type" , COUNT (il.Quantity) as "Times Purchased"
FROM invoice_items il JOIN tracks t ON il.TrackId = t.Trackid JOIN media_types m
ON m.MediaTypeId = t.MediaTypeId
GROUP BY m.Name);
```

Q.10 Provide a query that shows the purchased tracks of 2013. Display Track name and Units sold.

```
SELECT Name as "Track Name", COUNT(il.TrackId) as "Units Sold"
FROM tracks t JOIN invoice_items il ON t.TrackId =  il.TrackId JOIN invoices i
ON i.InvoiceId = il.InvoiceId
WHERE i.InvoiceDate BETWEEN "2013-01-01" AND "2014-01-01"
GROUP BY "Track Name";
```