

## **Practice exercise on chinook**

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

**Q.1 What is the title of the album with AlbumId 67?**

```
select Title  
from albums  
where AlbumId=67;
```

**Q.2 Find the name and length (in seconds) of all tracks that have length between 50 and 70 seconds.**

```
select name, Milliseconds/1000 as seconds  
from tracks  
where seconds BETWEEN 50 AND 70
```

**Q.3 List all the albums by artists with the word 'black' in their name.**

```
select name  
from artists  
where name like "%black%"
```

**Q.4 Provide a query showing a unique/distinct list of billing countries from the Invoice table**

```
SELECT DISTINCT BillingCountry  
FROM invoices;
```

**Q.5 Display the city with highest sum total invoice.**

```
SELECT BillingCity, round(sum(Total),2) as TotalInvoice
FROM invoices
group by BillingCity
ORDER by TotalInvoice DESC
limit 1;
```

**Q.6 Produce a table that lists each country and the number of customers in that country. (You only need to include countries that have customers) in descending order. (Highest count at the top)**

```
select country, count(CustomerId) as counts
from customers
group by Country
having counts > 0
order by counts desc;
```

**Q.7 Find the top five customers in terms of sales i.e. find the five customers whose total combined invoice amounts are the highest. Give their name, CustomerId and total invoice amount. Use join**

```
select FirstName, i.CustomerId, sum(total) as total_sum
from invoices i inner join customers c on c.CustomerId=i.CustomerId
group by i.CustomerId
order by total_sum desc
limit 5;
```

**Q.8 Find out state wise count of customerID and list the names of states with count of customerID in decreasing order. Note:- do not include where states is null value.**

```
select state, count( CustomerId) as counts
from customers
where state IS NOT NULL
group by State
order by counts desc;
```

**Q.9 How many Invoices were there in 2009 and 2011?**

```
SELECT COUNT(InvoiceId) as "Total Invoices"
FROM Invoices
WHERE InvoiceDate between "2009-01-01" AND "2011-01-01";
```

**Q.10 Provide a query showing only the Employees who are Sales Agents.**

```
SELECT FirstName||" "||LastName as "Sales Employee"
FROM employees
WHERE Title LIKE "Sales%";
```