Query 1. Which top 15 artists have the most sales?

SELECT a.name AS "Artist Name", SUM(il.unitprice \* il.quantity) AS "Total Sales in $"

FROM artist a

JOIN album ab

ON a.artistid = ab.artistid

JOIN track t

ON ab.albumid = t.albumid

JOIN invoiceline il

ON t.trackid = il.trackid

Group BY 1

ORDER BY 2 DESC

LIMIT 15;

Query 2. What country has the most invoices?

SELECT BILLINGCOUNTRY AS "Country Name", COUNT(INVOICEID) AS "Total Amount of Invoices"

FROM INVOICE

GROUP BY 1

ORDER BY 2 DESC

Query 3. What is the total amount of sales per country?

SELECT BillingCountry AS "Country Name", sum(total) "Total Amount of Sales"

FROM Invoice

GROUP BY BillingCountry

ORDER BY 2 DESC

LIMIT 15;

Query 4. Which band has the highest number of songs sold?

SELECT ar.Name As "Band Name", count(il.TrackId) "Total amount of Songs Sold"

FROM Track t

JOIN Album al on al.AlbumId = t.AlbumId

JOIN Artist ar on ar.ArtistId = al.ArtistId

JOIN InvoiceLine il on il.TrackId = t.TrackId

GROUP BY ar.ArtistId

ORDER BY 2 DESC

LIMIT 15;

Query 5. What genre of music has the most songs purchased?

Most purchased genre

SELECT g.Name AS "Genre Category", COUNT(\*) AS "Total Number of Purchases "

FROM Genre g

JOIN Track t

ON g.GenreId = t.GenreId

JOIN InvoiceLine il

ON t.TrackId = il.TrackId

GROUP BY 1

ORDER BY 2 DESC

Query 6. Which sales rep for 2010 had the highest sales and how do it compare to other reps?

SELECT e.FirstName || " " || e.LastName AS "Sales Agent", sum(i.total) AS "Total Sales in 2010 ($)", count(DISTINCT c.CustomerId) AS "Number of Customers"

FROM Invoice i

join Customer c on i.CustomerId = c.CustomerId

JOIN employee e on c.SupportRepId = e.EmployeeId

WHERE i.InvoiceDate like "2010%"

GROUP BY e.EmployeeId

ORDER BY 2 DESC;