Questões e respostas do projeto

**Pergunta 1: Quais países possuem mais faturas?**

SELECT BillingCountry, COUNT(\*)

FROM Invoice

GROUP BY 1

ORDER BY 2 DESC

#### Pergunta 2: Qual cidade tem os melhores clientes?

SELECT BillingCITY, SUM(total)

FROM Invoice

GROUP BY 1

ORDER BY 2 DESC

#### Pergunta 3: Quem é o melhor cliente?

SELECT cus.customerid, SUM(inv.total)

FROM Invoice inv

JOIN Customer cus

ON inv.customerid = cus.customerid

GROUP BY 1

ORDER BY 2 DESC

**Conjunto de perguntas 2**

#### Pergunta 1

Use sua consulta para retornar o e-mail, nome, sobrenome e gênero de todos os ouvintes de Rock. Retorne sua lista ordenada alfabeticamente por endereço de e-mail, começando por A. Você consegue encontrar um jeito de lidar com e-mails duplicados para que ninguém receba vários e-mails?

SELECT ar.ArtistId, ar.Name, ge.name, COUNT(\*) AS Songs

FROM Artist ar

JOIN Album al

ON ar.ArtistId = al.ArtistId

JOIN Track tr

ON tr.AlbumId = al.AlbumId

JOIN Genre ge

ON ge.GenreId = tr.GenreId

WHERE ge.name = 'Rock'

GROUP BY 1

ORDER BY 4 DESC

LIMIT 10

**Pergunta 3**

SELECT ar.Name, SUM(il.Quantity \* il.UnitPrice) AS AmountSpent

FROM Artist ar

JOIN Album al

ON ar.ArtistId = al.ArtistId

JOIN Track tr

ON tr.AlbumId = al.AlbumId

JOIN Genre ge

ON ge.GenreId = tr.GenreId

JOIN InvoiceLine il

ON il.TrackId = tr.TrackId

GROUP BY 1

ORDER BY 2 DESC

Continua…

SELECT ar.Name, SUM(il.Quantity \* il.UnitPrice) AS AmountSpent, cu.CustomerId, cu.FirstName, cu.LastName

FROM Artist ar

JOIN Album al

ON ar.ArtistId = al.ArtistId

JOIN Track tr

ON tr.AlbumId = al.AlbumId

JOIN Genre ge

ON ge.GenreId = tr.GenreId

JOIN InvoiceLine il

ON il.TrackId = tr.TrackId

JOIN Invoice iv

ON iv.InvoiceId = il.InvoiceId

JOIN Customer cu

ON cu.CustomerId = iv.CustomerId

WHERE ar.Name = 'Iron Maiden'

GROUP BY 4

ORDER BY 2 DESC

**SQL (Avançado): Conjunto de perguntas 3**

**Pergunta 1**

SELECT cu.Country, COUNT(il.Quantity) AS Purchases, ge.Name AS Genres

FROM Customer cu

JOIN Invoice iv

ON cu.CustomerId = iv.CustomerId

JOIN InvoiceLine il

ON il.InvoiceId = iv.InvoiceId

JOIN Track tr

ON tr.TrackId = il.TrackId

JOIN Genre ge

ON ge.GenreId = tr.GenreId

GROUP BY 3

ORDER BY 1

**Pergunta 2**

SELECT tr.Name, tr.Milliseconds

FROM Track tr

WHERE tr.Milliseconds > (SELECT AVG(tr.Milliseconds) AS average FROM Track tr)

ORDER BY 2 DESC

**Pergunta 3**