Olá, candidato(a),

Dando continuidade ao nosso processo, temos um desafio para te propor.

Analisar informações sobre gosto musical que estão no banco SQLite chinook.db para presentearmos nossos clientes.

1. Selecionar através de SQL os 3 gêneros mais vendidos no Brasil

select tracks.Name,sum(invoice\_items.Quantity) as Total\_Vendas

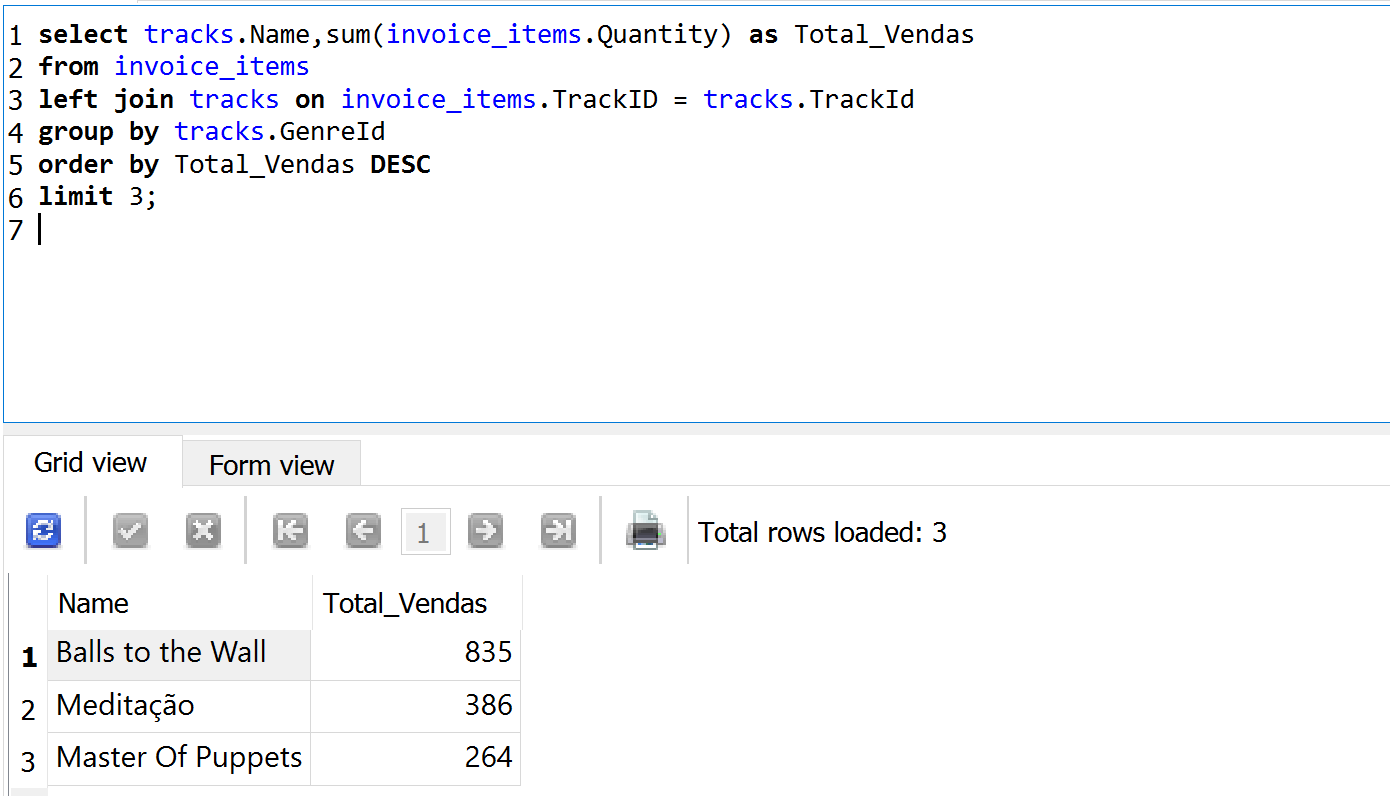
from invoice\_items

left join tracks on invoice\_items.TrackID = tracks.TrackId

group by tracks.GenreId

order by Total\_Vendas DESC

limit 3;



1. Selecionar através de SQL o total de vendas *(quantidade e valor total)* de cada faixa do álbum 'Mais Do Mesmo'

select albums.Title, tracks.Name, sum(invoice\_items.UnitPrice) as Total\_Faturamento,

sum(invoice\_items.Quantity) as Total\_Volume

from invoice\_items

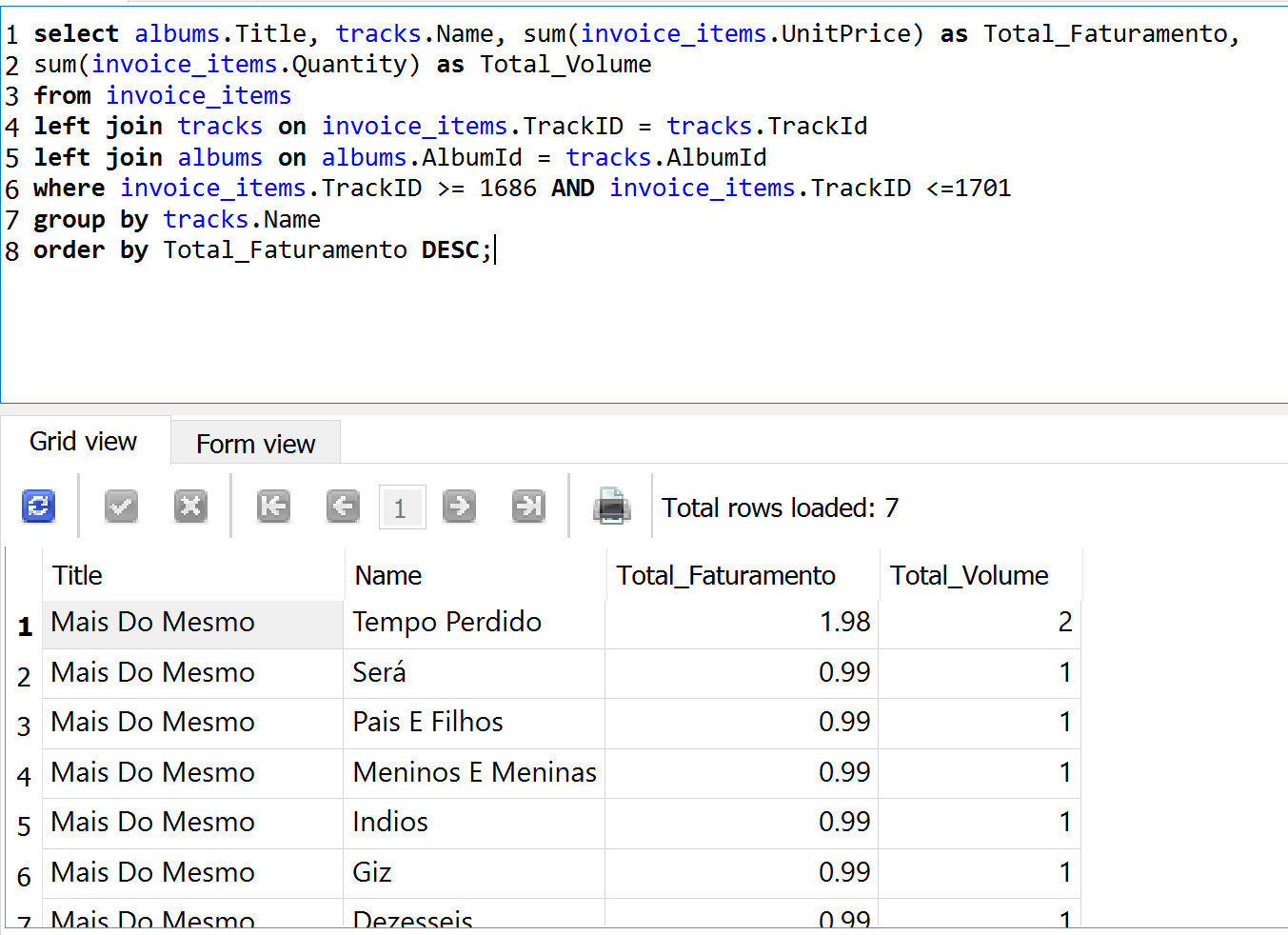
left join tracks on invoice\_items.TrackID = tracks.TrackId

left join albums on albums.AlbumId = tracks.AlbumId

where invoice\_items.TrackID >= 1686 AND invoice\_items.TrackID <=1701

group by tracks.Name

order by Total\_Faturamento DESC;



1. Selecionar através de SQL o valor total de venda por nome completo do vendedor(a) em 2012

select (employees.FirstName || " " || employees.LastName) as Funcionario,

round(sum(invoices.Total),0) as Total

from invoices

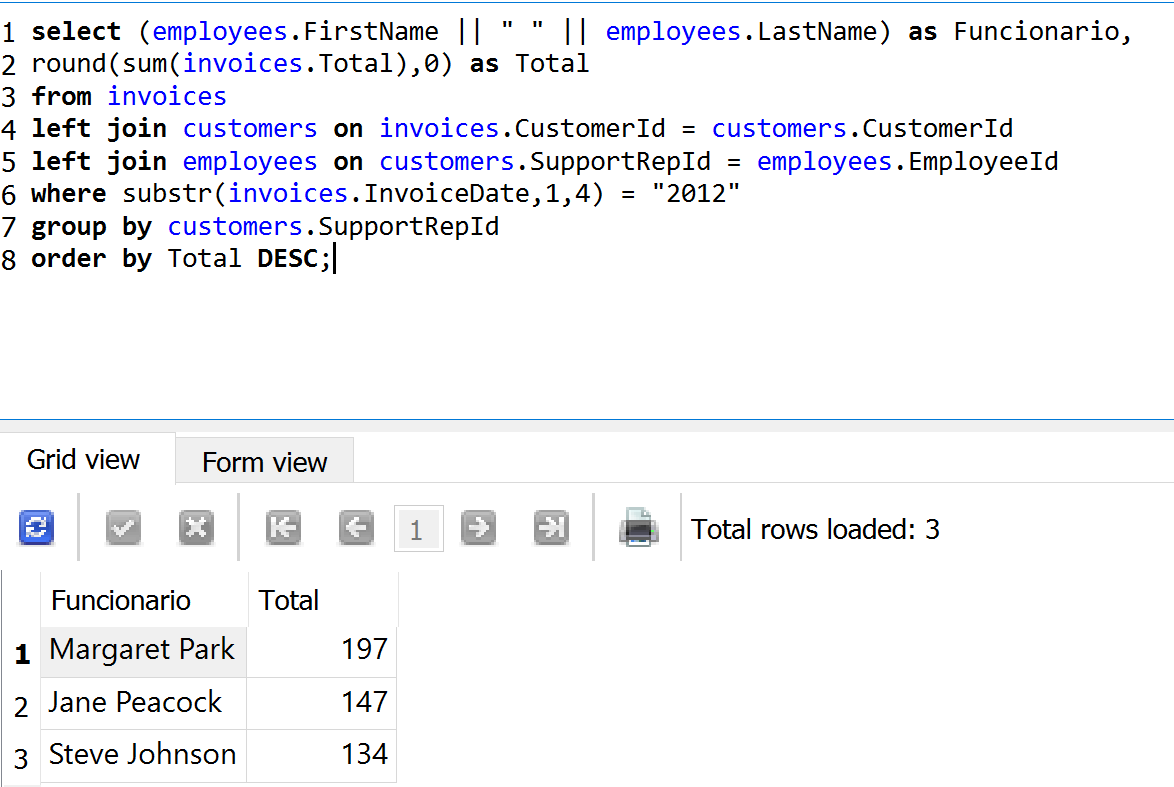
left join customers on invoices.CustomerId = customers.CustomerId

left join employees on customers.SupportRepId = employees.EmployeeId

where substr(invoices.InvoiceDate,1,4) = "2012"

group by customers.SupportRepId

order by Total DESC;



1. Listar em uma única query o total de músicas, total de músicas com o tipo de mídia MPEG e o total com tipo de mídia AAC para cada tipo de gênero. Exemplo de saída:

|  |  |  |  |
| --- | --- | --- | --- |
| Gênero | Total de Músicas | Total para tipo de mídia MPEG | Total com tipo de mídia AAC |
| Rock | 20 | 10 | 10 |
| Jazz | 15 | 10 | 5 |

select genres.Name, count(tracks.Name) as Total\_Musicas,

(select count(tracks.Name) from tracks where media\_types.Name like "%MPEG%" AND genres.GenreId = tracks.GenreId) as Total\_MPEG,

(select count(tracks.Name) from tracks where media\_types.Name like "%AAC%" AND genres.GenreId = tracks.GenreId) as Total\_AAC

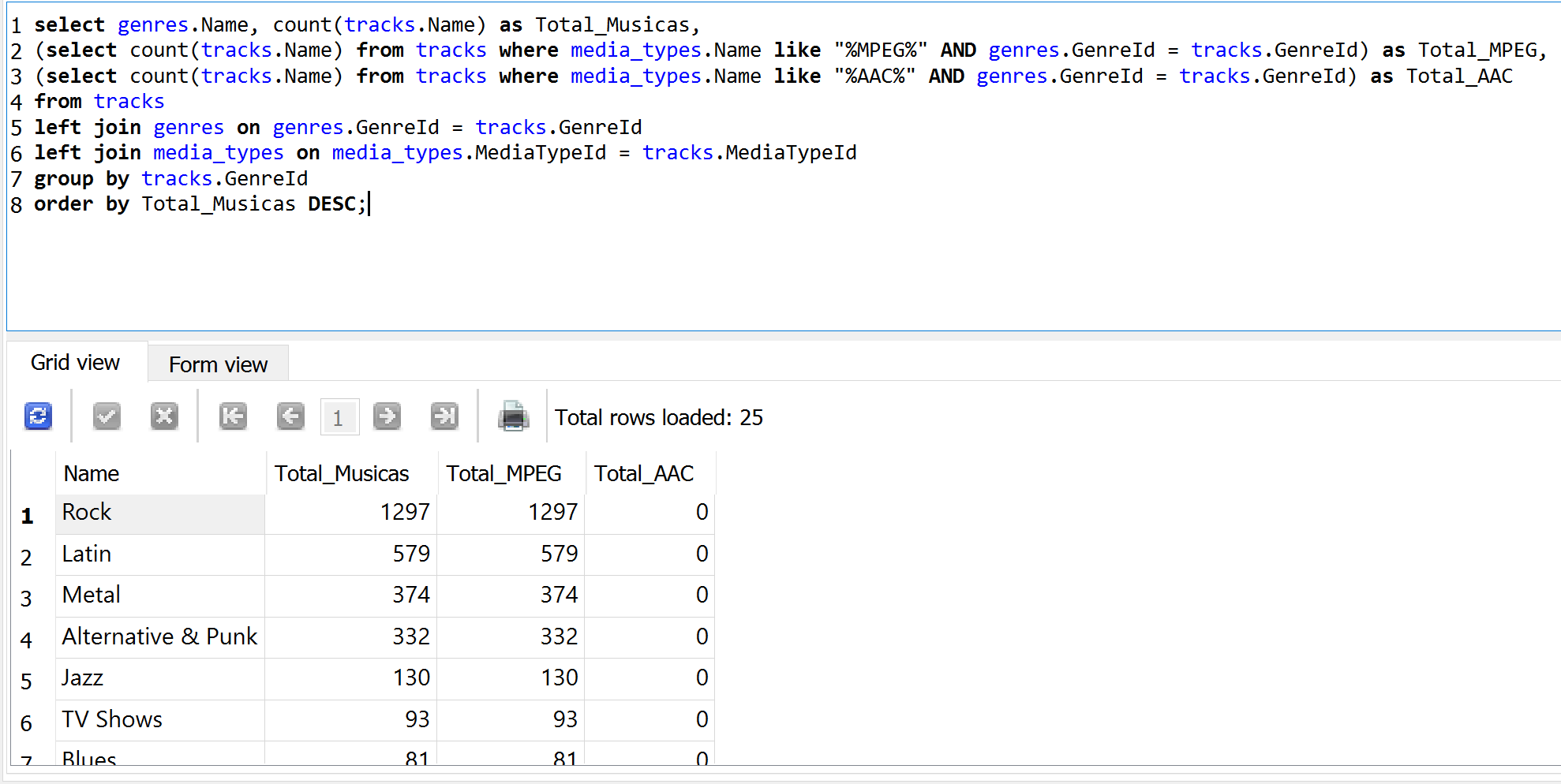
from tracks

left join genres on genres.GenreId = tracks.GenreId

left join media\_types on media\_types.MediaTypeId = tracks.MediaTypeId

group by tracks.GenreId

order by Total\_Musicas DESC;



**Links úteis:**

Baixar chinook.db:​ <https://cdn.sqlitetutorial.net/wp-content/uploads/2018/03/chinook.zip>

Modelo de dados do chinook.db:[https://www.sqlitetutorial.net/sqlite-sample-database](https://www.sqlitetutorial.net/sqlite-sample-database/)​ [/](https://www.sqlitetutorial.net/sqlite-sample-database/)