

Prova Prática de Banco de dados

ALUNO: Enzo Rodrigues da Silva

TURMA: P4 de informática

PROFESSOR: Taveira

DATA: 04/06/2025

1) Listar os seguinte dados das tabelas: invoices (Invoiceid, invoiceDate), invoice_items (Invoiceitemid, unitprice), total_da_fatura (resultado do somatório de todos os unitprice).

The screenshot shows the DBeaver SQL Editor interface. The SQL query is as follows:

```
1 SELECT
2   i.InvoiceId,
3   i.InvoiceDate,
4   ii.InvoiceItemId,
5   ii.UnitPrice,
6   SUM(ii.UnitPrice) OVER (PARTITION BY ii.InvoiceId) AS total_da_fatura
7 FROM invoices i
8 JOIN invoice_items ii
9   ON i.InvoiceId = ii.InvoiceId;
10
```

The results are displayed in a table with 6 columns: Invoiceid, InvoiceDate, Invoiceitemid, UnitPrice, and total_da_fatura. The data is as follows:

Invoiceid	InvoiceDate	Invoiceitemid	UnitPrice	total_da_fatura
1	2009-01-01 00:00:00	1	0.99	1.98
1	2009-01-01 00:00:00	2	0.99	1.98
3	2009-01-02 00:00:00	3	0.99	3.96
4	2009-01-02 00:00:00	4	0.99	3.96
5	2009-01-02 00:00:00	5	0.99	3.96
6	2009-01-02 00:00:00	6	0.99	3.96
7	2009-01-03 00:00:00	7	0.99	5.94
8	2009-01-03 00:00:00	8	0.99	5.94

Below the table, the execution status is shown: "Execução finalizada sem erros. Resultado: 2240 linhas retornadas em 114 ms".

On the right side, the "Editar célula do banco de dados" panel is visible, showing a "NULL" value in the "Modo: Texto" field.

2) Listar os seguinte dados das tabelas: tracks (Trackid, Name, Albumid), albums (Title, Artistid), artists(Name)

DB Browser for SQLite - C:\Users\zenor\Downloads\chinook.db

Arquivo Editar Exibir Ferramentas Ajuda

New Database Open Database Escrever modificações Reverter modificações Undo Open Project Save Project Anexar banco de dados Fechar banco de dados

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```

1 SELECT
2   t.TrackId,
3   t.Name AS TrackName,
4   t.AlbumId,
5   a.Title AS AlbumTitle,
6   a.ArtistId,
7   ar.Name AS ArtistName
8 FROM tracks t
9 JOIN albums a
10  ON t.AlbumId = a.AlbumId
11 JOIN artists ar
12  ON a.ArtistId = ar.ArtistId
13

```

TrackId	TrackName	AlbumId	AlbumTitle	ArtistId	ArtistName
1	For Those About To Rock (We Salute ...	1	For Those About To Rock We Salute You	1	AC/DC
2	Put The Finger On You	1	For Those About To Rock We Salute You	1	AC/DC
3	Let's Get It Up	1	For Those About To Rock We Salute You	1	AC/DC
4	Inject The Venom	1	For Those About To Rock We Salute You	1	AC/DC
5	Snowballed	1	For Those About To Rock We Salute You	1	AC/DC
6	Evil Walks	1	For Those About To Rock We Salute You	1	AC/DC
7	C.O.D.	1	For Those About To Rock We Salute You	1	AC/DC
8	Breaking The Rules	1	For Those About To Rock We Salute You	1	AC/DC

Execução finalizada sem erros.
Resultado: 3503 linhas retornadas em 29 ms
Na linha 1:
SELECT
t.TrackId,
t.Name AS TrackName,
t.AlbumId,
a.Title AS AlbumTitle,
a.ArtistId,
ar.Name AS ArtistName
FROM tracks t
JOIN albums a
ON t.AlbumId = a.AlbumId

Editar célula do banco de dados

Modo: Texto

NULL

No cell active.
Type: NULL; Size: 0 bytes

Remoto

Identidade Select an identity to connect

DBHub.io Local Current Database

Nome Última modificação T

Log do SQL Plotar Esquema do banco de dados Remoto

3) Listar os seguintes dados das tabelas: tracks(Trackid, Name, Milliseconds), mediatypes (MediaTypeId, name), genres (GenreId, name). Selecionar as tracks com milliseconds > 2000000.

DB Browser for SQLite - C:\Users\zenor\Downloads\chinook.db

Arquivo Editar Exibir Ferramentas Ajuda

New Database Open Database Escrever modificações Reverter modificações Undo Open Project Save Project Anexar banco de dados Fechar banco de dados

Database Structure Browse Data Edit Pragma Execute SQL

SQL 1*

```

1 SELECT
2   t.TrackId,
3   t.Name AS TrackName,
4   t.Milliseconds,
5   mt.MediaTypeId AS MediaTypeId,
6   mt.Name AS MediaTypeName,
7   g.GenreId AS GenreId,
8   g.Name AS GenreName
9 FROM tracks AS t
10 INNER JOIN media_types AS mt
11  ON t.MediaTypeId = mt.MediaTypeId
12 INNER JOIN genres AS g
13  ON t.GenreId = g.GenreId
14 WHERE t.Milliseconds > 2000000;
15

```

TrackId	TrackName	Milliseconds	MediaTypeId	MediaTypeName	GenreId	GenreName
1	2819 Battlestar Galactica: The Story So ...	2622250	3	Protected MPEG-4 video file	18	Science Fiction
2	2825 A Measure of Salvation	2563938	3	Protected MPEG-4 video file	18	Science Fiction
3	2826 Hero	2713755	3	Protected MPEG-4 video file	18	Science Fiction
4	2827 Unfinished Business	2622038	3	Protected MPEG-4 video file	18	Science Fiction
5	2828 The Passage	2623875	3	Protected MPEG-4 video file	18	Science Fiction
6	2829 The Eye of Jupiter	2618750	3	Protected MPEG-4 video file	18	Science Fiction
7	2830 Rapture	2624541	3	Protected MPEG-4 video file	18	Science Fiction
8	2831 Taking a Break from All Your Worries	2624207	3	Protected MPEG-4 video file	18	Science Fiction

Execução finalizada sem erros.
Resultado: 160 linhas retornadas em 47 ms
Na linha 1:
SELECT
t.TrackId,
t.Name AS TrackName,
t.Milliseconds,
mt.MediaTypeId AS MediaTypeId,
mt.Name AS MediaTypeName,
g.GenreId AS GenreId,
g.Name AS GenreName
FROM tracks AS t

Editar célula do banco de dados

Modo: Texto

NULL

No cell active.
Type: NULL; Size: 0 bytes

Remoto

Identidade Select an identity to connect

DBHub.io Local Current Database

Nome

Log do SQL Plotar Esqu