

Prova Prática de Banco de Dados - 02

Aluna: Layhanna Brisa Penha da Silva

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

SQL 1	
1	SELECT
2	invoices.InvoiceId,
3	invoices.InvoiceDate,
4	SUM(invoice_items.UnitPrice) AS total_da_fatura
5	FROM
6	invoices
7	JOIN
8	invoice_items ON invoices.InvoiceId = invoice_items.InvoiceId
9	GROUP BY
10	invoices.InvoiceId, invoices.InvoiceDate;

	InvoiceId	InvoiceDate	total_da_fatura
390	390	2013-09-12 00:00:00	13.86
391	391	2013-09-20 00:00:00	0.99
392	392	2013-10-03 00:00:00	1.98
393	393	2013-10-03 00:00:00	1.98
394	394	2013-10-04 00:00:00	3.96
395	395	2013-10-05 00:00:00	5.94
396	396	2013-10-08 00:00:00	8.91
397	397	2013-10-13 00:00:00	13.86
398	398	2013-10-21 00:00:00	0.99
399	399	2013-11-03 00:00:00	1.98
400	400	2013-11-03 00:00:00	1.98

Execução finalizada sem erros.
Resultado: 412 linhas retornadas em 33 ms
Na linha 1:
SELECT
 invoices.InvoiceId,
 invoices.InvoiceDate,
 SUM(invoice_items.UnitPrice) AS total_da_fatura
FROM
 invoices
JOIN
 invoice_items ON invoices.InvoiceId = invoice_items.InvoiceId
GROUP BY
 invoices.InvoiceId, invoices.InvoiceDate;

2) Listar os seguinte dados das tabelas: albums (Title, Artistid), tracks (Trackid, Name, Albumid), artists(Name). Usar o join fazendo a ligação entre a chave primária e a chave estrangeira.

SQL 1

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

	Title	ArtistId	TrackId	TrackName	AlbumId	ArtistName
1	For Those About To Rock We Salute You	1	1	For Those About To Rock (We Salute You)	1	AC/DC
2	For Those About To Rock We Salute You	1	6	Put The Finger On You	1	AC/DC
3	For Those About To Rock We Salute You	1	7	Let's Get It Up	1	AC/DC
4	For Those About To Rock We Salute You	1	8	Inject The Venom	1	AC/DC
5	For Those About To Rock We Salute You	1	9	Snowballed	1	AC/DC
6	For Those About To Rock We Salute You	1	10	Evil Walks	1	AC/DC
7	For Those About To Rock We Salute You	1	11	C.O.D.	1	AC/DC
8	For Those About To Rock We Salute You	1	12	Breaking The Rules	1	AC/DC
9	For Those About To Rock We Salute You	1	13	Night Of The Long Knives	1	AC/DC
10	For Those About To Rock We Salute You	1	14	Spellbound	1	AC/DC
11	Balls to the Wall	2	2	Balls to the Wall	2	Accept

Execução finalizada sem erros.

Resultado: 3503 linhas retornadas em 10 ms

Na linha 1:

```
SELECT
    al.Title,
    al.ArtistId,
    t.TrackId,
    t.Name AS TrackName,
    t.AlbumId,
    ar.Name AS ArtistName
FROM
    albums al
JOIN
    tracks t ON al.AlbumId = t.AlbumId
JOIN
    artists ar ON al.ArtistId = ar.ArtistId;
```

3) Listar os seguintes dados das tabelas: tracks(Trackid, Name, Milliseconds), mediatypes (MediaTypeId, name), genres (GenreId, name). Selecionar as tracks com Milliseconds entre 100000 e 400000..

SQL 1

```
1  SELECT
2      t.TrackId,
3      t.Name AS TrackName,
4      t.Milliseconds,
5      m.MediaTypeId,
6      m.Name AS MediaTypeName,
7      g.GenreId,
8      g.Name AS GenreName
9  FROM
10     tracks t
11 JOIN
12     media_types m ON t.MediaTypeId = m.MediaTypeId
13 JOIN
```

	TrackId	TrackName	Milliseconds	MediaTypeId	MediaTypeName	GenreId	GenreName
1	1	For Those About To Rock (We Salute You)	343719	1	MPEG audio file	1	Rock
2	2	Balls to the Wall	342562	2	Protected AAC audio file	1	Rock
3	3	Fast As a Shark	230619	2	Protected AAC audio file	1	Rock
4	4	Restless and Wild	252051	2	Protected AAC audio file	1	Rock
5	5	Princess of the Dawn	375418	2	Protected AAC audio file	1	Rock
6	6	Put The Finger On You	205662	1	MPEG audio file	1	Rock
7	7	Let's Get It Up	233926	1	MPEG audio file	1	Rock
8	8	Inject The Venom	210834	1	MPEG audio file	1	Rock
9	9	Snowballed	203102	1	MPEG audio file	1	Rock
10	10	Evil Walks	263497	1	MPEG audio file	1	Rock
11	11	C.O.D.	199836	1	MPEG audio file	1	Rock

Execução finalizada sem erros.
Resultado: 2970 linhas retornadas em 9 ms
Na linha 1:
SELECT
t.TrackId,
t.Name AS TrackName,
t.Milliseconds,
m.MediaTypeId,
m.Name AS MediaTypeName,
g.GenreId,
g.Name AS GenreName
FROM
tracks t
JOIN
media_types m ON t.MediaTypeId = m.MediaTypeId
JOIN
genres g ON t.GenreId = g.GenreId
WHERE