PROVA PRÁTICA 02 - BD 25.1

ALUNO: Anderson de Freitas Leite

**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
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;
```

	InvoiceId	InvoiceDate	total_da_fatura
1	1	2009-01-01 00:00:00	1.98
2	2	2009-01-02 00:00:00	3.96
3	3	2009-01-03 00:00:00	5.94
4	4	2009-01-06 00:00:00	8.91
5	5	2009-01-11 00:00:00	13.86
6	6	2009-01-19 00:00:00	0.99

```
Execução finalizada sem erros.
Resultado: 412 linhas retornadas em 38 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
SELECT
    albums.Title AS AlbumTitle,
    artists.Name AS ArtistName,
    tracks.TrackId,
    tracks.Name AS TrackName,
    tracks.AlbumId
FROM
    tracks
INNER JOIN
    albums ON tracks.AlbumId = albums.AlbumId
INNER JOIN
    artists ON albums.ArtistId = artists.ArtistId;
```

	AlbumTitle	ArtistName	TrackId	TrackName	AlbumId
163	Black Sabbath Vol. 4 (Remaster)	Black Sabbath	163	Laguna Sunrise	17
164	Black Sabbath Vol. 4 (Remaster)	Black Sabbath	164	St. Vitus Dance	17
165	Black Sabbath Vol. 4 (Remaster)	Black Sabbath	165	Under The Sun/Every Day Comes and Goes	17
166	Body Count	Body Count	166	Smoked Pork	18
167	Body Count	Body Count	167	Body Count's In The House	18
168	Body Count	Body Count	168	Now Sports	18

```
Execução finalizada sem erros.
Resultado: 3503 linhas retornadas em 7 ms
Na linha 1:
SELECT
    albums.Title AS AlbumTitle,
    artists.Name AS ArtistName,
    tracks.TrackId,
    tracks.Name AS TrackName,
    tracks.AlbumId
FROM
    tracks
INNER JOIN
    albums ON tracks.AlbumId = albums.AlbumId
INNER JOIN
    artists ON albums.ArtistId = artists.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

```
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
```

	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
```