Avaliação de Banco de Dados

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

SQL 1

```sql
SELECT
    i.InvoiceId,
    i.InvoiceDate,
    ii.InvoiceLineId AS InvoiceItemId,
    ii.UnitPrice,
    t.total_da_fatura
FROM
    invoices i
JOIN
    invoice_items ii
    ON i.InvoiceId = ii.InvoiceId
JOIN (
    SELECT
        InvoiceId,
        SUM(UnitPrice) AS total_da_fatura
    FROM
        invoice_items
    GROUP BY
        InvoiceId
) t
    ON ii.InvoiceId = t.InvoiceId
ORDER BY
    i.InvoiceId,
    ii.InvoiceLineId;
```

	InvoiceId	InvoiceDate	InvoiceItemId	UnitPrice	total_da_fatura
1	1	2009-01-01 00:00:00	1	0.99	1.98
2	1	2009-01-01 00:00:00	2	0.99	1.98
3	2	2009-01-02 00:00:00	3	0.99	3.96
4	2	2009-01-02 00:00:00	4	0.99	3.96
5	2	2009-01-02 00:00:00	5	0.99	3.96
6	2	2009-01-02 00:00:00	6	0.99	3.96
7	3	2009-01-03 00:00:00	7	0.99	5.94
8	3	2009-01-03 00:00:00	8	0.99	5.94
9	3	2009-01-03 00:00:00	9	0.99	5.94
10	3	2009-01-03 00:00:00	10	0.99	5.94
11	3	2009-01-03 00:00:00	11	0.99	5.94
12	3	2009-01-03 00:00:00	12	0.99	5.94

```
Execução finalizada sem erros.
Resultado: 2240 linhas retornadas em 16 ms
Na linha 1:
SELECT
    i.InvoiceId,
    i.InvoiceDate,
```

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

SQL 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
JOIN
    artists ar ON a.ArtistId = ar.ArtistId
ORDER BY
    t.TrackId;
```

	TrackId	TrackName	AlbumId	AlbumTitle	ArtistId	ArtistName
1	1	For Those About To Rock (We Salute You)	1	For Those About To Rock We Salute You	1	AC/DC
2	2	Balls to the Wall	2	Balls to the Wall	2	Accept
3	3	Fast As a Shark	3	Restless and Wild	2	Accept
4	4	Restless and Wild	3	Restless and Wild	2	Accept
5	5	Princess of the Dawn	3	Restless and Wild	2	Accept
6	6	Put The Finger On You	1	For Those About To Rock We Salute You	1	AC/DC
7	7	Let's Get It Up	1	For Those About To Rock We Salute You	1	AC/DC
8	8	Inject The Venom	1	For Those About To Rock We Salute You	1	AC/DC
9	9	Snowballed	1	For Those About To Rock We Salute You	1	AC/DC
10	10	Evil Walks	1	For Those About To Rock We Salute You	1	AC/DC
11	11	C.O.D.	1	For Those About To Rock We Salute You	1	AC/DC
12	12	Breaking The Rules	1	For Those About To Rock We Salute You	1	AC/DC

```
Execução finalizada sem erros.
Resultado: 3503 linhas retornadas em 147 ms
Na linha 1:
SELECT
    t.TrackId,
    t.Name      AS TrackName,
```

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

SQL 1

```sql
SELECT
    t.TrackId,
    t.Name          AS TrackName,
    t.Milliseconds,
    mt.MediaTypeId,
    mt.Name         AS MediaTypeName,
    g.GenreId,
    g.Name          AS GenreName
FROM
    tracks t
JOIN
    media_types mt ON t.MediaTypeId = mt.MediaTypeId
JOIN
    genres g ON t.GenreId = g.GenreId
WHERE
    t.Milliseconds > 2000000
ORDER BY
    t.TrackId;
```

	TrackId	TrackName	Milliseconds	MediaTypeId	MediaTypeName	GenreId	GenreName
1	2819	Battlestar Galactica: The Story So Far	2622250	3	Protected MPEG-4 video file	18	Science Fiction
2	2820	Occupation / Precipice	5286953	3	Protected MPEG-4 video file	19	TV Shows
3	2821	Exodus, Pt. 1	2621708	3	Protected MPEG-4 video file	19	TV Shows
4	2822	Exodus, Pt. 2	2618000	3	Protected MPEG-4 video file	19	TV Shows
5	2823	Collaborators	2626626	3	Protected MPEG-4 video file	19	TV Shows
6	2824	Torn	2631291	3	Protected MPEG-4 video file	19	TV Shows
7	2825	A Measure of Salvation	2563938	3	Protected MPEG-4 video file	18	Science Fiction
8	2826	Hero	2713755	3	Protected MPEG-4 video file	18	Science Fiction
9	2827	Unfinished Business	2622038	3	Protected MPEG-4 video file	18	Science Fiction
10	2828	The Passage	2623875	3	Protected MPEG-4 video file	18	Science Fiction
11	2829	The Eye of Jupiter	2618750	3	Protected MPEG-4 video file	18	Science Fiction
12	2830	Rapture	2624541	3	Protected MPEG-4 video file	18	Science Fiction

```
Execução finalizada sem erros.
Resultado: 160 linhas retornadas em 10 ms
Na linha 1:
SELECT
    t.TrackId,
    t.Name          AS TrackName,
```