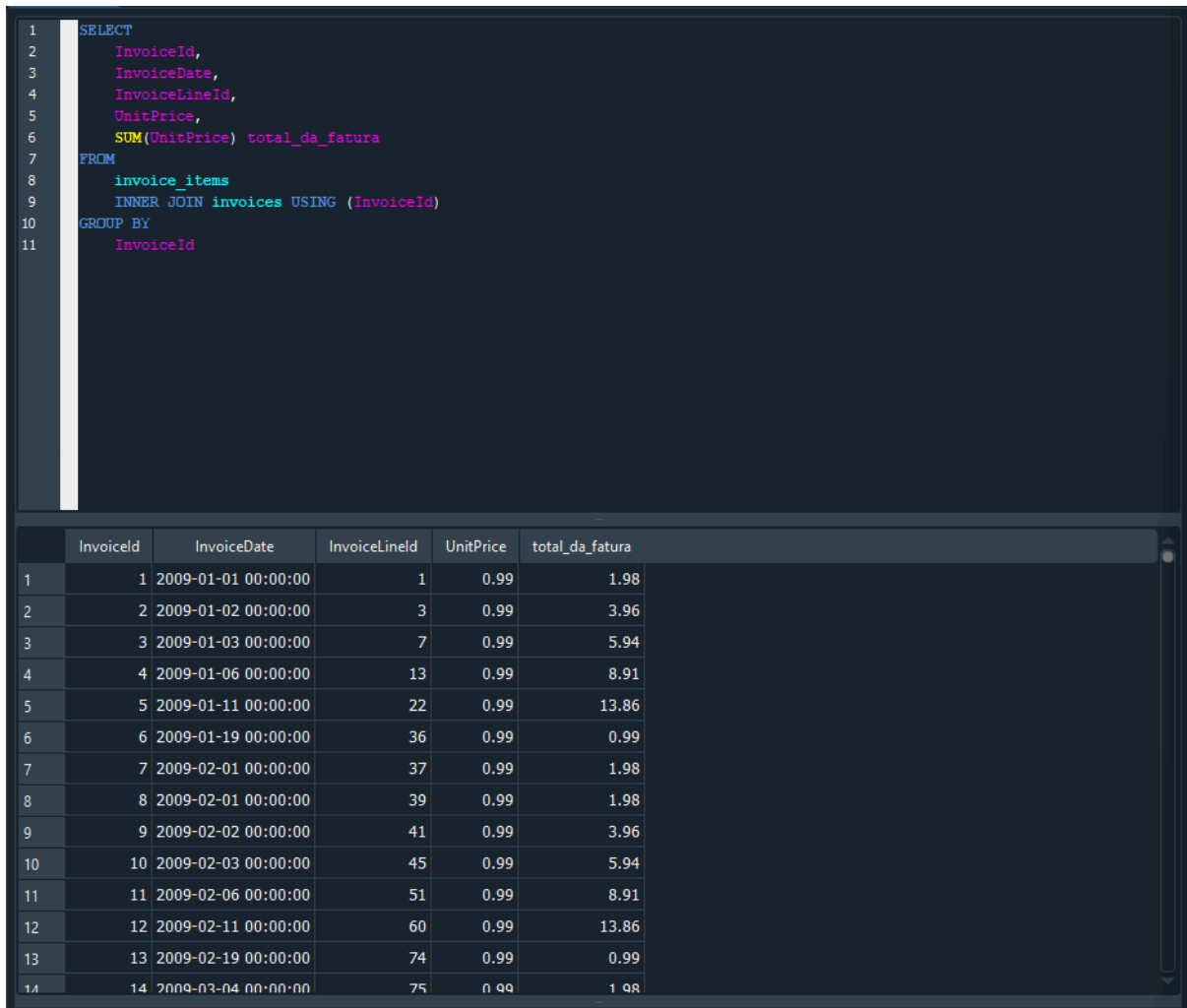


Aluno: Luiz Eduardo Pinheiro Ribeiro

1.

```
SELECT
    InvoiceId,
    InvoiceDate,
    InvoiceLineId,
    UnitPrice,
    SUM(UnitPrice) total_da_fatura
FROM
    invoice_items
    LEFT JOIN invoices USING (InvoiceId)
GROUP BY
    InvoiceId
```



The screenshot shows a SQL IDE with a dark theme. The top pane contains a SQL query, and the bottom pane displays the query results in a table. The query is a SELECT statement that joins the 'invoice_items' table with the 'invoices' table on the 'InvoiceId' column. It groups the results by 'InvoiceId' and calculates the sum of 'UnitPrice' for each invoice, labeling it as 'total_da_fatura'.

```
1 SELECT
2     InvoiceId,
3     InvoiceDate,
4     InvoiceLineId,
5     UnitPrice,
6     SUM(UnitPrice) total_da_fatura
7 FROM
8     invoice_items
9     INNER JOIN invoices USING (InvoiceId)
10 GROUP BY
11     InvoiceId
```

	InvoiceId	InvoiceDate	InvoiceLineId	UnitPrice	total_da_fatura
1	1	2009-01-01 00:00:00	1	0.99	1.98
2	2	2009-01-02 00:00:00	3	0.99	3.96
3	3	2009-01-03 00:00:00	7	0.99	5.94
4	4	2009-01-06 00:00:00	13	0.99	8.91
5	5	2009-01-11 00:00:00	22	0.99	13.86
6	6	2009-01-19 00:00:00	36	0.99	0.99
7	7	2009-02-01 00:00:00	37	0.99	1.98
8	8	2009-02-01 00:00:00	39	0.99	1.98
9	9	2009-02-02 00:00:00	41	0.99	3.96
10	10	2009-02-03 00:00:00	45	0.99	5.94
11	11	2009-02-06 00:00:00	51	0.99	8.91
12	12	2009-02-11 00:00:00	60	0.99	13.86
13	13	2009-02-19 00:00:00	74	0.99	0.99
14	14	2009-03-04 00:00:00	75	0.99	1.98

2.

SELECT

tracks.TrackId,
tracks.Name,
albums.Title,
albums.AlbumId,
artists.Name

FROM

tracks
INNER JOIN albums USING(AlbumId)
INNER JOIN artists USING(ArtistId)

```
1 SELECT
2   tracks.TrackId,
3   tracks.Name,
4   albums.Title,
5   albums.AlbumId,
6   artists.Name
7 FROM
8   tracks
9   INNER JOIN albums USING(AlbumId)
10  INNER JOIN artists USING(ArtistId)
```

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

3.

SELECT

 tracks.TrackId,
 tracks.Name,
 tracks.Milliseconds,
 genres.GenreId,
 genres.Name,
 media_types.MediaTypeId,
 media_types.Name

FROM

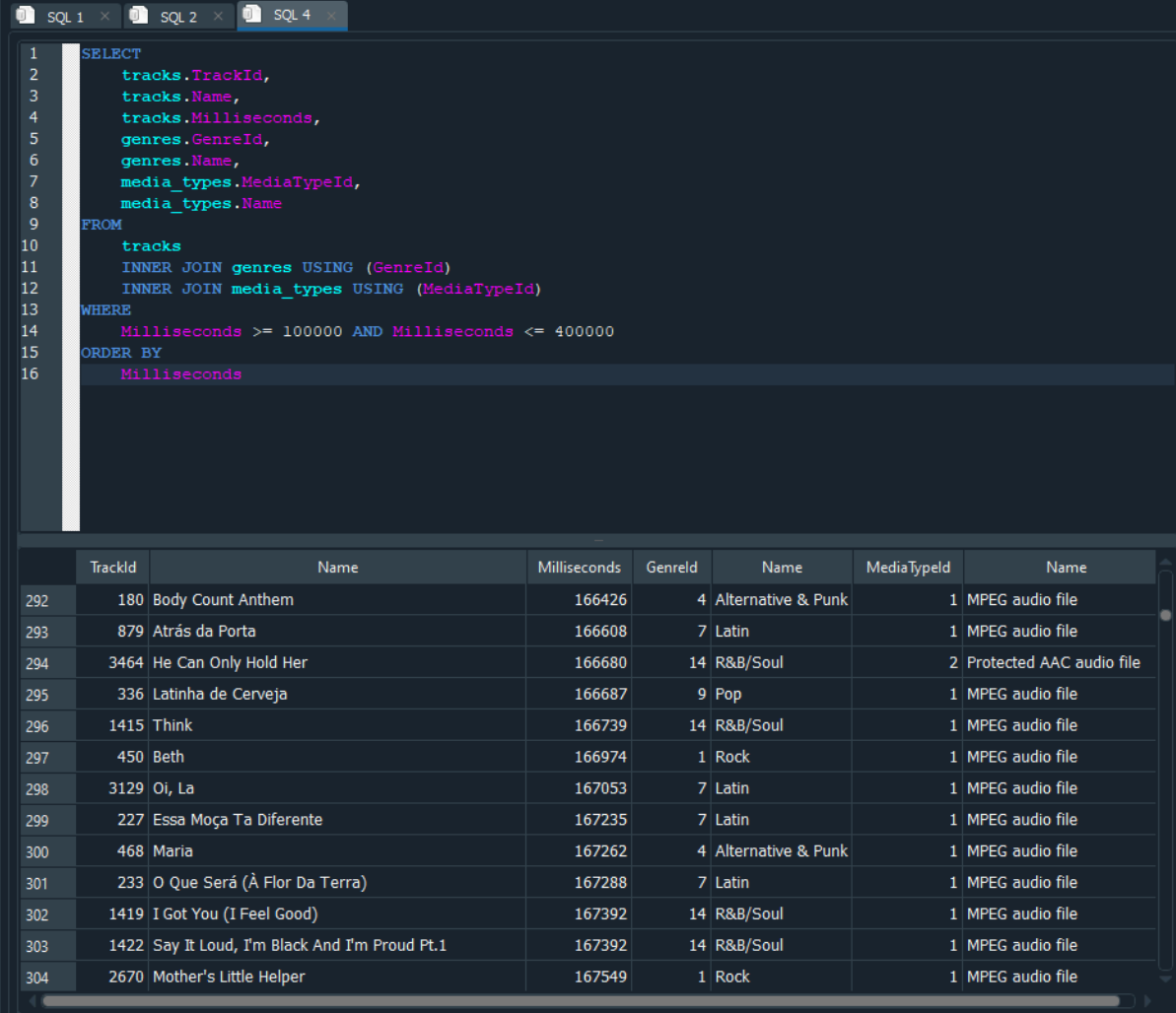
 tracks
 INNER JOIN genres USING (GenreId)
 INNER JOIN media_types USING (MediaTypeId)

WHERE

 Milliseconds >= 100000 AND Milliseconds <= 400000

ORDER BY

 Milliseconds



The screenshot shows a SQL IDE with three tabs: SQL 1, SQL 2, and SQL 4. The SQL 4 tab is active and contains the following SQL query:

```
1 SELECT
2     tracks.TrackId,
3     tracks.Name,
4     tracks.Milliseconds,
5     genres.GenreId,
6     genres.Name,
7     media_types.MediaTypeId,
8     media_types.Name
9 FROM
10    tracks
11    INNER JOIN genres USING (GenreId)
12    INNER JOIN media_types USING (MediaTypeId)
13 WHERE
14     Milliseconds >= 100000 AND Milliseconds <= 400000
15 ORDER BY
16     Milliseconds
```

Below the query editor, the results of the query are displayed in a table with 8 columns: TrackId, Name, Milliseconds, GenreId, Name, MediaTypeId, and Name. The table contains 11 rows of data, with the first row highlighted in blue.

	TrackId	Name	Milliseconds	GenreId	Name	MediaTypeId	Name
292	180	Body Count Anthem	166426	4	Alternative & Punk	1	MPEG audio file
293	879	Atrás da Porta	166608	7	Latin	1	MPEG audio file
294	3464	He Can Only Hold Her	166680	14	R&B/Soul	2	Protected AAC audio file
295	336	Latinha de Cerveja	166687	9	Pop	1	MPEG audio file
296	1415	Think	166739	14	R&B/Soul	1	MPEG audio file
297	450	Beth	166974	1	Rock	1	MPEG audio file
298	3129	Oi, La	167053	7	Latin	1	MPEG audio file
299	227	Essa Moça Ta Diferente	167235	7	Latin	1	MPEG audio file
300	468	Maria	167262	4	Alternative & Punk	1	MPEG audio file
301	233	O Que Será (À Flor Da Terra)	167288	7	Latin	1	MPEG audio file
302	1419	I Got You (I Feel Good)	167392	14	R&B/Soul	1	MPEG audio file
303	1422	Say It Loud, I'm Black And I'm Proud Pt.1	167392	14	R&B/Soul	1	MPEG audio file
304	2670	Mother's Little Helper	167549	1	Rock	1	MPEG audio file