

Atividade Banco de Dados II

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EXERCÍCIOS INNER JOIN

A - Abra o banco de dados com as respectivas tabelas:

Cds	Musicas
Codigo (PK)	CodigoCD (FK)
Nome_cd	Numero_musica
DataCompra	Nome_musica
ValorPago	Artista
LocalCompra	Tempo
Album (Sim ou Não)	

TABELA Cds

Object Explorer

Connect

MARIANA\SQLSERVER2022 (SQL)

Databases

System Databases

Database Snapshots

ATIVLETS

bdatividade15-05

EXERCICIO1

MF

PROJETODS

AtividadeBDMusicas

Database Diagrams

Tables

Views

External Resources

Synonyms

Programmability

Query Store

Service Broker

Storage

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery1.sql - M...ARIANA\maria (72))*

SELECT *FROM Cds

112 %

Results

Messages

	Codigo	Nome_cd	DataCompra	ValorPago	LocalCompra	Album
1	1	Lover	2023-01-15	19.99	Amazon	Sim
2	2	Reputation	2023-02-20	15.49	Submarino	Não
3	3	The Tortured Poets Department	2023-03-05	22.75	Target	Sim
4	4	RED	2023-04-10	18.99	Spotify	Sim
5	5	Folklore	2023-05-15	20.00	Amazon	Sim

Query executed successfully.

TABELA Musicas

Object Explorer

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SQLQuery1.sql - M...ARIANA\maria (72))*

```
SELECT *FROM Musicas
```

112 %

Results Messages

	Codigo	CodigoCD	Numero_musica	Nome_musica	Artista	Tempo
1	41	1	1	Now That We Dont Talk	Taylor Swift	00:03:30.0000000
2	42	1	2	Obsessed	Olivia Rodrigo	00:04:15.0000000
3	43	1	3	The Black Dog	Taylor Swift	00:05:00.0000000
4	44	2	1	loml	Taylor Swift	00:04:00.0000000
5	45	2	2	Deja Vu	Olivia Rodrigo	00:03:45.0000000
6	46	2	3	Fortnight	Taylor Swift	00:04:30.0000000
7	47	3	1	The Manuscript	Taylor Swift	00:04:20.0000000
8	48	3	2	Traitor	Olivia Rodrigo	00:03:55.0000000
9	49	3	3	Anti-Hero	Taylor Swift	00:04:10.0000000
10	50	4	1	End Game	Taylor Swift	00:05:25.0000000
11	51	4	2	Drivers License	Olivia Rodrigo	00:04:40.0000000
12	52	4	3	Ready For It?	Taylor Swift	00:03:20.0000000
13	53	5	1	Better Man	Taylor Swift	00:04:45.0000000
14	54	5	2	Hope ur ok	Olivia Rodrigo	00:05:15.0000000
15	55	5	3	The Moment I Knew	Taylor Swift	00:03:50.0000000

B – Utilizar os comandos Selects respectivos para efetuar as consultas abaixo:

1. (Inner Join)Mostrar o nome do Cd e o nome das músicas de todos Cds

Object Explorer

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SQLQuery1.sql - M...ARIANA\maria (72))*

```
--INNER JOIN
SELECT Cds.Nome_cd, Musicas.Nome_musica
FROM Cds
INNER JOIN Musicas ON Cds.Codigo = Musicas.CodigoCD;
```

112 %

Results Messages

	Nome_cd	Nome_musica
1	Lover	Now That We Dont Talk
2	Lover	Obsessed
3	Lover	The Black Dog
4	Reputation	lomi
5	Reputation	Deja Vu
6	Reputation	Fortnight
7	The Tortured Poets Department	The Manuscript
8	The Tortured Poets Department	Traitor
9	The Tortured Poets Department	Anti-Hero
10	RED	End Game
11	RED	Drivers License
12	RED	Ready For It?
13	Folklore	Better Man
14	Folklore	Hope ur ok
15	Folklore	The Moment I Knew

Query executed successfully.

2. (Inner Join) Mostre o nome do Cd e o nome da primeira música de cada Cd

The screenshot displays the SQL Server Enterprise Manager interface. On the left, the Object Explorer shows the database structure for 'MARIANA\SQLSERVER2022'. The main window shows a SQL query in 'SQLQuery1.sql' that joins 'Cds' and 'Musicas' tables, filtering for the minimum 'Numero_musica' for each 'CodigoCD'.

```
SELECT Cds.Nome_CD, Musicas.Nome_musica
FROM Cds
INNER JOIN Musicas ON Cds.Codigo = Musicas.CodigoCD
WHERE Musicas.Numero_musica = (
    SELECT MIN(Numero_musica)
    FROM Musicas AS M
    WHERE M.CodigoCD = Cds.Codigo
);
```

Below the query editor, the 'Results' tab shows the output of the query, which is a table with two columns: 'Nome_CD' and 'Nome_musica'. The results are as follows:

	Nome_CD	Nome_musica
1	Lover	Now That We Dont Talk
2	Reputation	lomi
3	The Tortured Poets Department	The Manuscript
4	RED	End Game
5	Folklore	Better Man

A status bar at the bottom indicates 'Query executed successfully.'

EXERCÍCIO SUBQUERY

1. (Subquery) Mostre o cd que custou mais caro

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SQLQuery1.sql - M...ARIANA\maria (57))

```
SELECT Nome_cd, ValorPago
FROM Cds
WHERE ValorPago = (SELECT MAX(ValorPago) FROM Cds);
```

112 %

Results Messages

	Nome_cd	ValorPago
1	The Tortured Poets Department	22.75

Query executed successfully.