

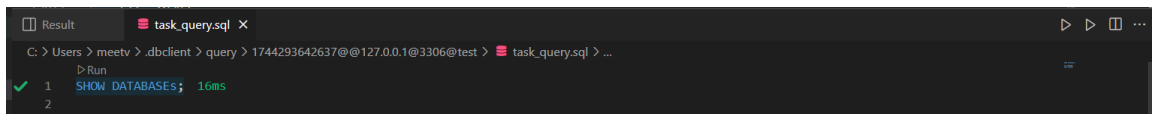
Day3 - SQL for Data Analysis

Dataset Used: Chinook SQL Query

1. Initial Setup / Validation Queries

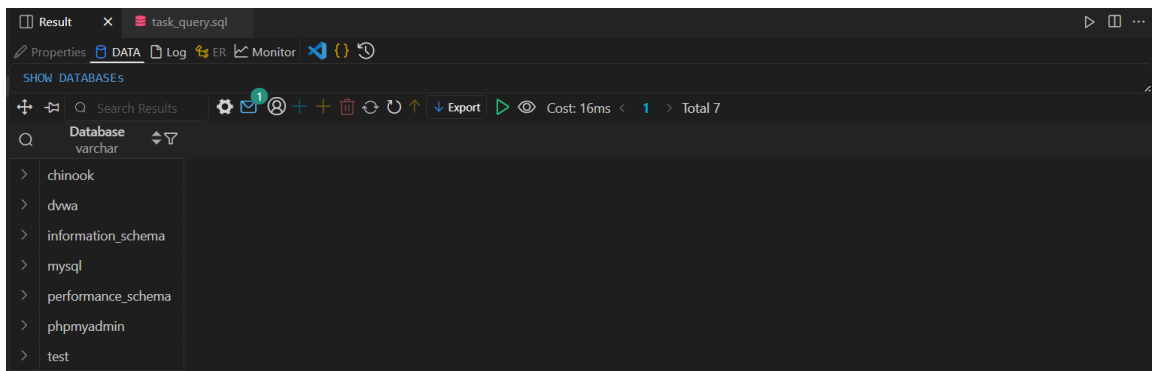
1. **SHOW DATABASES** to verify Chinook was created

sql:



A screenshot of a SQL query editor window. The title bar shows 'task_query.sql'. The command prompt area displays 'C:\> Users > meetv > .dbclient > query > 1744293642637@@127.0.0.1@3306@test > task_query.sql > ...'. Below the command prompt, the query 'SHOW DATABASES;' is entered and executed, with a green checkmark and '16ms' indicating successful completion.

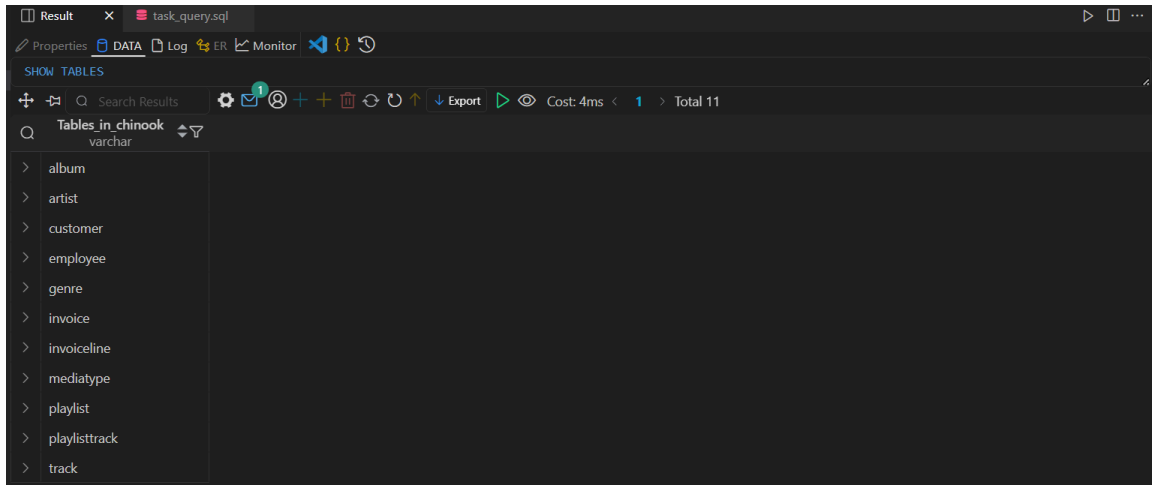
output:



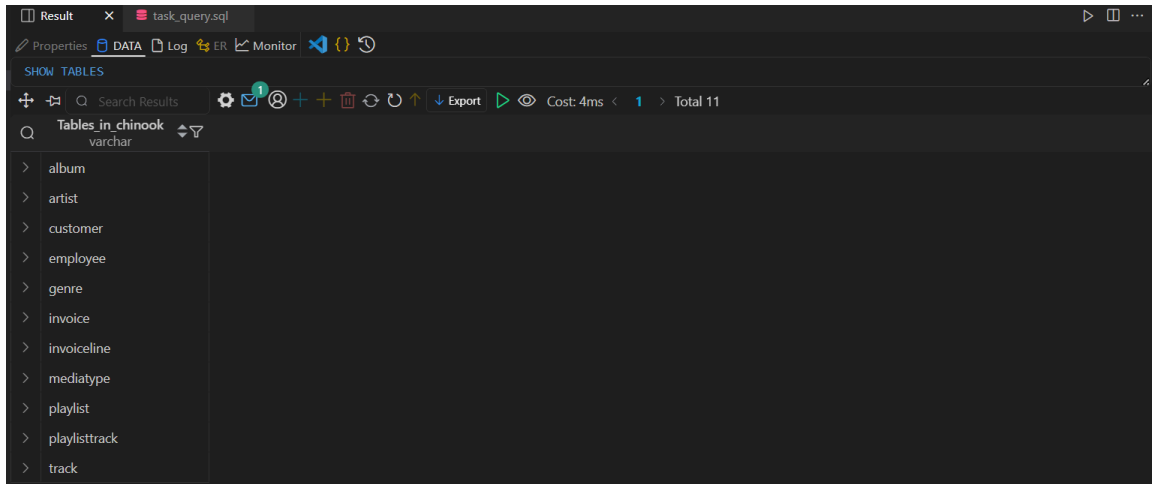
A screenshot of a SQL query editor window showing the results of the 'SHOW DATABASES;' query. The title bar shows 'task_query.sql'. The command prompt area displays 'C:\> Users > meetv > .dbclient > query > 1744293642637@@127.0.0.1@3306@test > task_query.sql > ...'. Below the command prompt, the query 'SHOW DATABASES;' is entered and executed, with a green checkmark and '16ms' indicating successful completion. The results are displayed in a table with the following columns: Database, varchar. The table contains the following rows: chinook, dvwa, information_schema, mysql, performance_schema, phpmyadmin, test.

2. 12. USE Chinook and SHOW TABLES to view all tables

sql:



output:



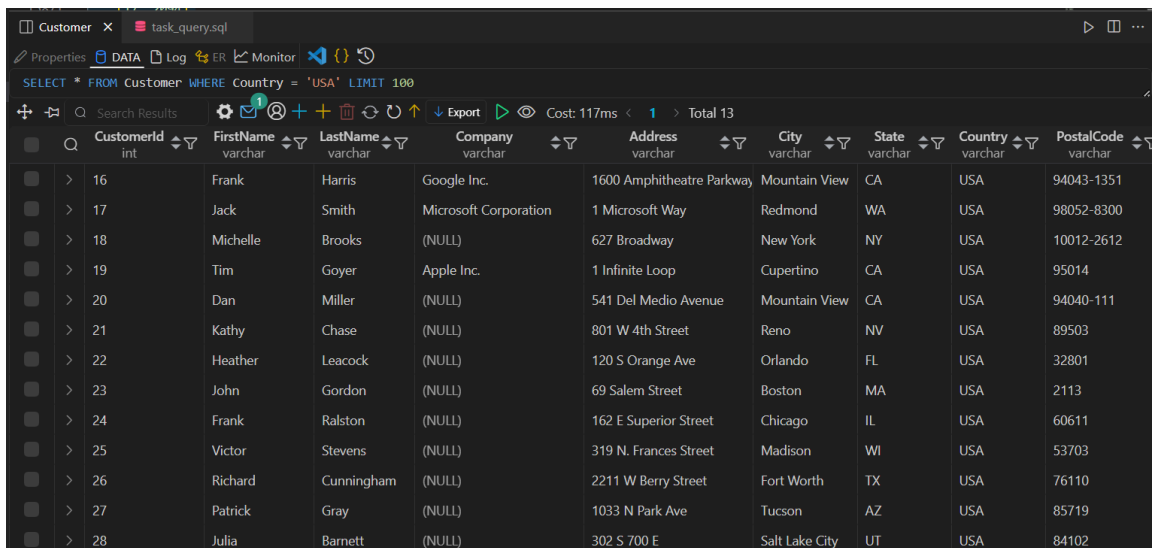
2. Basic Queries (SELECT, WHERE, ORDER BY, GROUP BY)

3. 1. List all customers from the USA

sql:

```
Customer task_query.sql X
C: > Users > meetv > .dbclient > query > 1744293642637@@@127.0.0.1@3306@test > task_query.sql > ...
  > Run | +Tab | JSON
1 SELECT * FROM Customer WHERE Country = 'USA'; 10ms
2 |
```

output:



The screenshot shows a database client interface with a query window and a results grid. The query is `SELECT * FROM Customer WHERE Country = 'USA' LIMIT 100`. The results grid displays 13 rows of customer data, sorted by CustomerId. The columns are CustomerId, FirstName, LastName, Company, Address, City, State, Country, and PostalCode.

CustomerId	FirstName	LastName	Company	Address	City	State	Country	PostalCode
16	Frank	Harris	Google Inc.	1600 Amphitheatre Parkway	Mountain View	CA	USA	94043-1351
17	Jack	Smith	Microsoft Corporation	1 Microsoft Way	Redmond	WA	USA	98052-8300
18	Michelle	Brooks	(NULL)	627 Broadway	New York	NY	USA	10012-2612
19	Tim	Goyer	Apple Inc.	1 Infinite Loop	Cupertino	CA	USA	95014
20	Dan	Miller	(NULL)	541 Del Medio Avenue	Mountain View	CA	USA	94040-111
21	Kathy	Chase	(NULL)	801 W 4th Street	Reno	NV	USA	89503
22	Heather	Leacock	(NULL)	120 S Orange Ave	Orlando	FL	USA	32801
23	John	Gordon	(NULL)	69 Salem Street	Boston	MA	USA	2113
24	Frank	Ralston	(NULL)	162 E Superior Street	Chicago	IL	USA	60611
25	Victor	Stevens	(NULL)	319 N. Frances Street	Madison	WI	USA	53703
26	Richard	Cunningham	(NULL)	2211 W Berry Street	Fort Worth	TX	USA	76110
27	Patrick	Gray	(NULL)	1033 N Park Ave	Tucson	AZ	USA	85719
28	Julia	Barnett	(NULL)	302 S 700 E	Salt Lake City	UT	USA	84102

4. 2. Get names and emails of all customers, sorted by last name

sql:

```
Customer task_query.sql X
C: > Users > meetv > .dbclient > query > 1744293642637@@@127.0.0.1@3306@test > task_query.sql > ...
  > Run | +Tab | JSON
1 SELECT FirstName, LastName, Email FROM Customer ORDER BY LastName ASC;
2 |
```

output:

Properties DATA Log ER Monitor

SELECT FirstName, LastName, Email FROM Customer ORDER BY LastName ASC LIMIT 100

Search Results Cost: 26ms < 1 > Total 59

	FirstName varchar	LastName varchar	Email varchar
>	Roberto	Almeida	roberto.almeida@riotur.gov
>	Julia	Barnett	jubarnett@gmail.com
>	Camille	Bernard	camille.bernard@yahoo.fr
>	Michelle	Brooks	michelleb@aol.com
>	Robert	Brown	robbrown@shaw.ca
>	Kathy	Chase	kachase@hotmail.com
>	Richard	Cunningham	ricunningham@hotmail.com
>	Marc	Dubois	marc.dubois@hotmail.com
>	João	Fernandes	jfernandes@yahoo.pt
>	Edward	Francis	edfrancis@yahoo.ca
>	Wyatt	Girard	wyatt.girard@yahoo.fr
>	Luis	Gonçalves	luisg@embraer.com.br
>	John	Gordon	johngordon22@yahoo.com
>	Tim	Goyer	tgoyer@apple.com
>	Patrick	Gray	patrick.gray@aol.com
>	Astrid	Gruber	astrid.gruber@apple.at
>	Diego	Gutiérrez	diego.gutierrez@yahoo.ar

5. 3. Count the number of customers in each country

sql:

```

3  > Run | +Tab | JSON
4  SELECT Country, COUNT(*) AS CustomerCount FROM Customer GROUP BY Country ORDER BY CustomerCount DESC;

```

output:

The screenshot shows a SQL IDE window with a query executed. The query is: `SELECT Country, COUNT(*) AS CustomerCount FROM Customer GROUP BY Country ORDER BY CustomerCount DESC LIMIT 100`. The result is a table with two columns: Country (varchar) and CustomerCount (bigint). The data is sorted by CustomerCount in descending order.

Country	CustomerCount
USA	13
Canada	8
Brazil	5
France	5
Germany	4
United Kingdom	3
Portugal	2
Czech Republic	2
India	2
Finland	1
Ireland	1
Netherlands	1
Spain	1
Argentina	1
Belgium	1
Hungary	1
Italy	1

6. 4. List all tracks longer than 5 minutes

sql:

The screenshot shows a SQL IDE window with a query executed. The query is: `SELECT Name, Milliseconds FROM Track WHERE Milliseconds > 300000 ORDER BY Milliseconds DESC;`. The result is a table with two columns: Name and Milliseconds. The data is sorted by Milliseconds in descending order.

```

5 SELECT Name, Milliseconds FROM Track WHERE Milliseconds > 300000 ORDER BY Milliseconds DESC;
6 |

```

output:

Track x task_query.sql

Properties DATA Log ER Monitor

SELECT Name, Milliseconds FROM Track WHERE Milliseconds > 300000 ORDER BY Milliseconds DESC LIMIT 100

Search Results

Cost: 83ms

	Name varchar	Milliseconds int
>	Occupation / Precipice	5286953
>	Through a Looking Glass	5088838
>	Greetings from Earth, Pt. 1	2960293
>	The Man With Nine Lives	2956998
>	Battlestar Galactica, Pt. 2	2956081
>	Battlestar Galactica, Pt. 1	2952702
>	Murder On the Rising Star	2935894
>	Battlestar Galactica, Pt. 3	2927802
>	Take the Celestra	2927677
>	Fire In Space	2926593
>	The Long Patrol	2925008
>	The Magnificent Warriors	2924716
>	The Living Legend, Pt. 1	2924507
>	The Gun On Ice Planet Zero	2924341
>	The Hand of God	2924007
>	Experiment In Terra	2923548
>	War of the Gods, Pt. 2	2923381

3. JOINS (INNER, LEFT, RIGHT)

7. 5. List invoice details with customer names

sql:

```

> Run | +Tab | JSON
7 SELECT Invoice.InvoiceId, Invoice.Total, Customer.FirstName, Customer.LastName
8 FROM Invoice
9 INNER JOIN Customer ON Invoice.CustomerId = Customer.CustomerId; 7ms
10

```

output:

Result(RO) X

task_query.sql

+

🔍

Search Results

⚙️

📧

👤

+

+

🗑️

↺

↻

⬆️

Export

🟢

👁️

Cost: 7ms

<

1

2

3

4

5

>

Total 412

	InvoiceId int	Total decimal	FirstName varchar	LastName varchar
>	98	3.98	Luís	Gonçalves
>	121	3.96	Luís	Gonçalves
>	143	5.94	Luís	Gonçalves
>	195	0.99	Luís	Gonçalves
>	316	1.98	Luís	Gonçalves
>	327	13.86	Luís	Gonçalves
>	382	8.91	Luís	Gonçalves
>	1	1.98	Leonie	Köhler
>	12	13.86	Leonie	Köhler
>	67	8.91	Leonie	Köhler
>	196	1.98	Leonie	Köhler
>	219	3.96	Leonie	Köhler
>	241	5.94	Leonie	Köhler
>	293	0.99	Leonie	Köhler
>	99	3.98	François	Tremblay
>	110	13.86	François	Tremblay
>	165	8.91	François	Tremblay
>	294	1.98	François	Tremblay
>	317	3.96	François	Tremblay

8. 6. Show each track with its genre name (LEFT JOIN)

sql:

```

10
11 SELECT Track.Name AS TrackName, Genre.Name AS Genre
12 FROM Track
13 LEFT JOIN Genre ON Track.GenreId = Genre.GenreId; 6ms
14

```

output:

Result(RO) x	task_query.sql
Search Results	Cost: 6ms < 1 2 3 4 ... 36 > Total 3503
TrackName varchar	Genre varchar
> For Those About To Rock (V	Rock
> Balls to the Wall	Rock
> Fast As a Shark	Rock
> Restless and Wild	Rock
> Princess of the Dawn	Rock
> Put The Finger On You	Rock
> Let's Get It Up	Rock
> Inject The Venom	Rock
> Snowballed	Rock
> Evil Walks	Rock
> C.O.D.	Rock
> Breaking The Rules	Rock
> Night Of The Long Knives	Rock
> Spellbound	Rock
> Go Down	Rock
> Dog Eat Dog	Rock
> Let There Be Rock	Rock
> Bad Boy Boogie	Rock
> Problem Child	Rock

9. 7. Get all albums with their artists (RIGHT JOIN)

sql:

```

15  SELECT Album.Title, Artist.Name
16  FROM Artist
17  RIGHT JOIN Album ON Artist.ArtistId = Album.ArtistId; 8ms
18

```

output:

Result(RO) × task_query.sql	
<div> <div> <div>+</div> <div>🔍 Search Results</div> </div> <div> <div>⚙️</div> <div>📧</div> <div>👤</div> <div>+</div> <div>+</div> <div>🗑️</div> <div>↺</div> <div>↻</div> <div>⬆️</div> <div>↓ Export</div> <div>▶️</div> <div>👁️</div> </div> <div>Cost: 8ms < 1 2 3 4 > Total 347</div> </div>	
Title varchar	Name varchar
> For Those About To Rock W	AC/DC
> Balls to the Wall	Accept
> Restless and Wild	Accept
> Let There Be Rock	AC/DC
> Big Ones	Aerosmith
> Jagged Little Pill	Alanis Morissette
> Facelift	Alice In Chains
> Warner 25 Anos	Antônio Carlos Jobim
> Plays Metallica By Four Cellos	Apocalyptica
> Audioslave	Audioslave
> Out Of Exile	Audioslave
> BackBeat Soundtrack	BackBeat
> The Best Of Billy Cobham	Billy Cobham
> Alcohol Fueled Brewtality Live	Black Label Society
> Alcohol Fueled Brewtality Live	Black Label Society
> Black Sabbath	Black Sabbath
> Black Sabbath Vol. 4 (Remastered)	Black Sabbath
> Body Count	Body Count
> Chemical Wedding	Bruce Dickinson

4. Subqueries

10. 8. Find all customers who made invoices over \$15

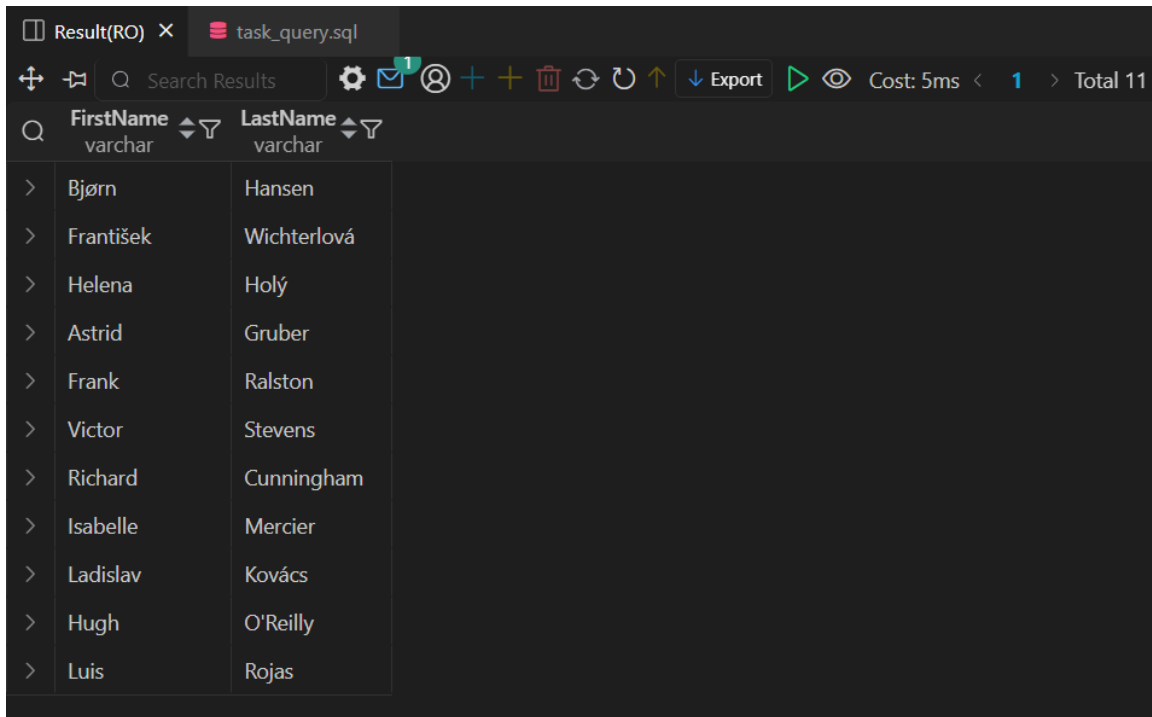
sql:

```

19  ▶ Run | +Tab | JSON | Select
20  SELECT FirstName, LastName
21  FROM Customer
22  WHERE CustomerId IN (
23      SELECT CustomerId FROM Invoice WHERE Total > 15
24  ); 5ms

```

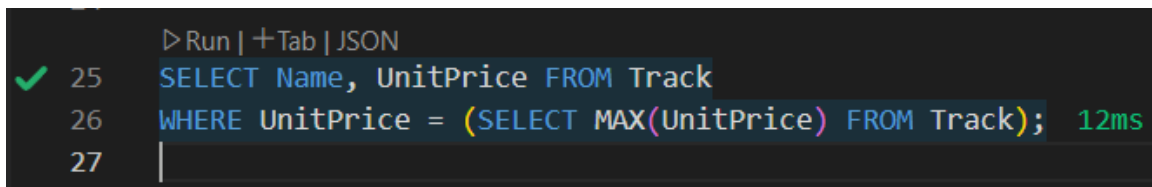
output:



	FirstName varchar	LastName varchar
>	Bjørn	Hansen
>	František	Wichterlová
>	Helena	Holý
>	Astrid	Gruber
>	Frank	Ralston
>	Victor	Stevens
>	Richard	Cunningham
>	Isabelle	Mercier
>	Ladislav	Kovács
>	Hugh	O'Reilly
>	Luis	Rojas

11. 9. Find the track with the highest unit price

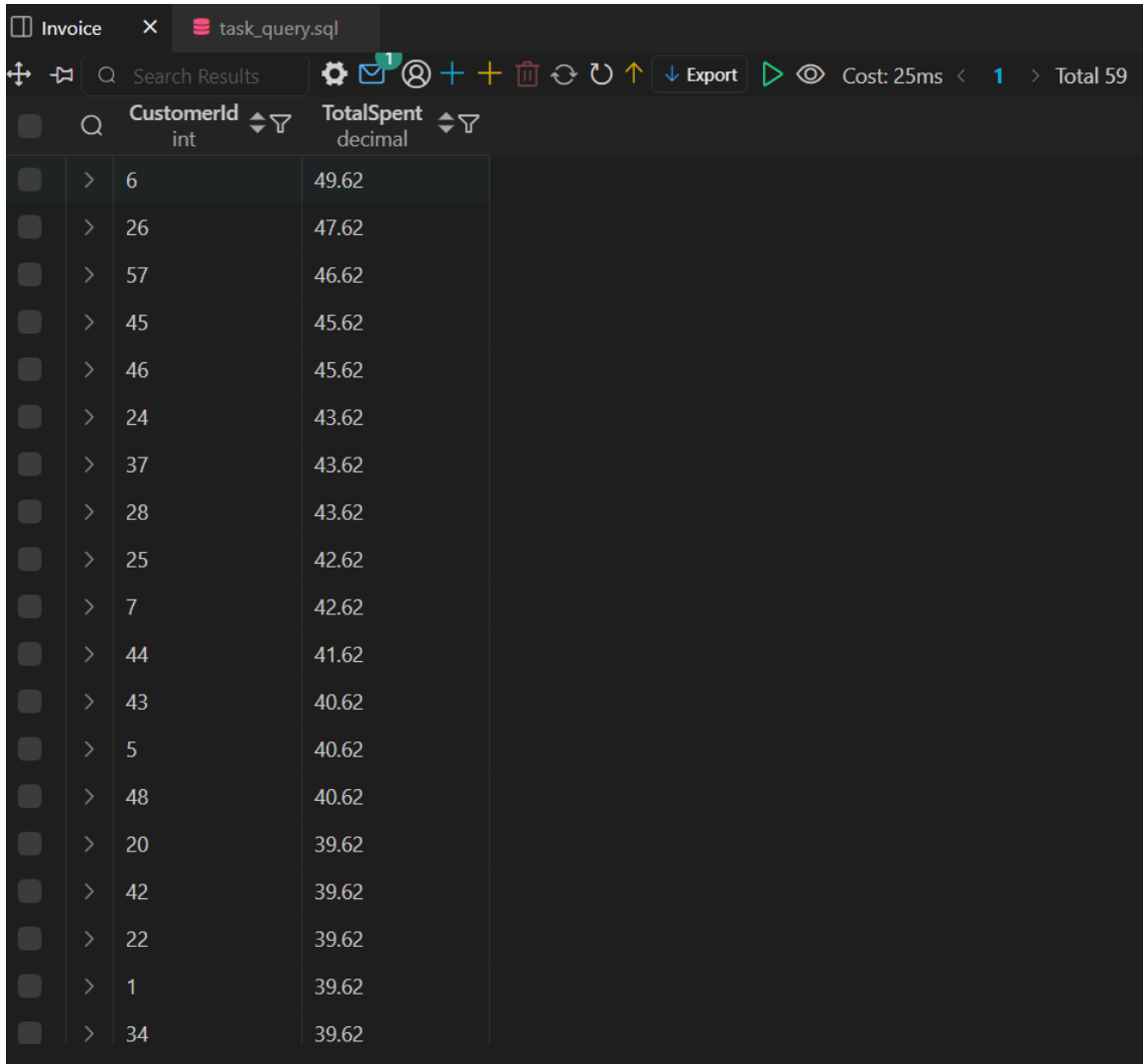
sql:



```
Run | +Tab | JSON
25 SELECT Name, UnitPrice FROM Track
26 WHERE UnitPrice = (SELECT MAX(UnitPrice) FROM Track); 12ms
27
```

output:

output:

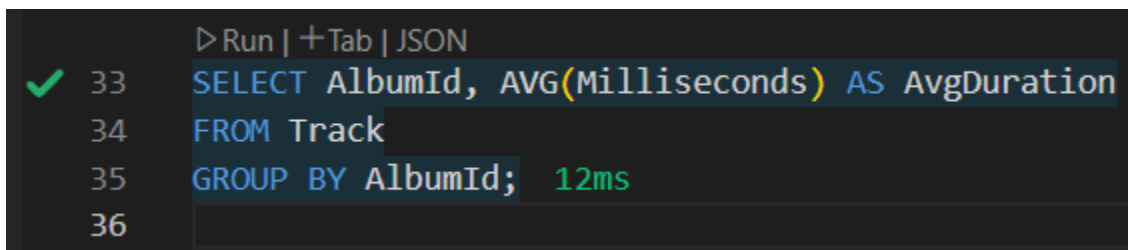


The screenshot shows a database query results window with a dark theme. The window title is "task_query.sql". The toolbar includes icons for search, settings, and execution, along with the text "Search Results", "Export", "Cost: 25ms", and "Total 59". The results are displayed in a table with two columns: "CustomerId" (int) and "TotalSpent" (decimal). The table contains 20 rows of data, each with a checkbox on the left and a greater-than symbol in the first column.

	CustomerId int	TotalSpent decimal
<input type="checkbox"/>	> 6	49.62
<input type="checkbox"/>	> 26	47.62
<input type="checkbox"/>	> 57	46.62
<input type="checkbox"/>	> 45	45.62
<input type="checkbox"/>	> 46	45.62
<input type="checkbox"/>	> 24	43.62
<input type="checkbox"/>	> 37	43.62
<input type="checkbox"/>	> 28	43.62
<input type="checkbox"/>	> 25	42.62
<input type="checkbox"/>	> 7	42.62
<input type="checkbox"/>	> 44	41.62
<input type="checkbox"/>	> 43	40.62
<input type="checkbox"/>	> 5	40.62
<input type="checkbox"/>	> 48	40.62
<input type="checkbox"/>	> 20	39.62
<input type="checkbox"/>	> 42	39.62
<input type="checkbox"/>	> 22	39.62
<input type="checkbox"/>	> 1	39.62
<input type="checkbox"/>	> 34	39.62

13. 11. Average track duration per album

sql:

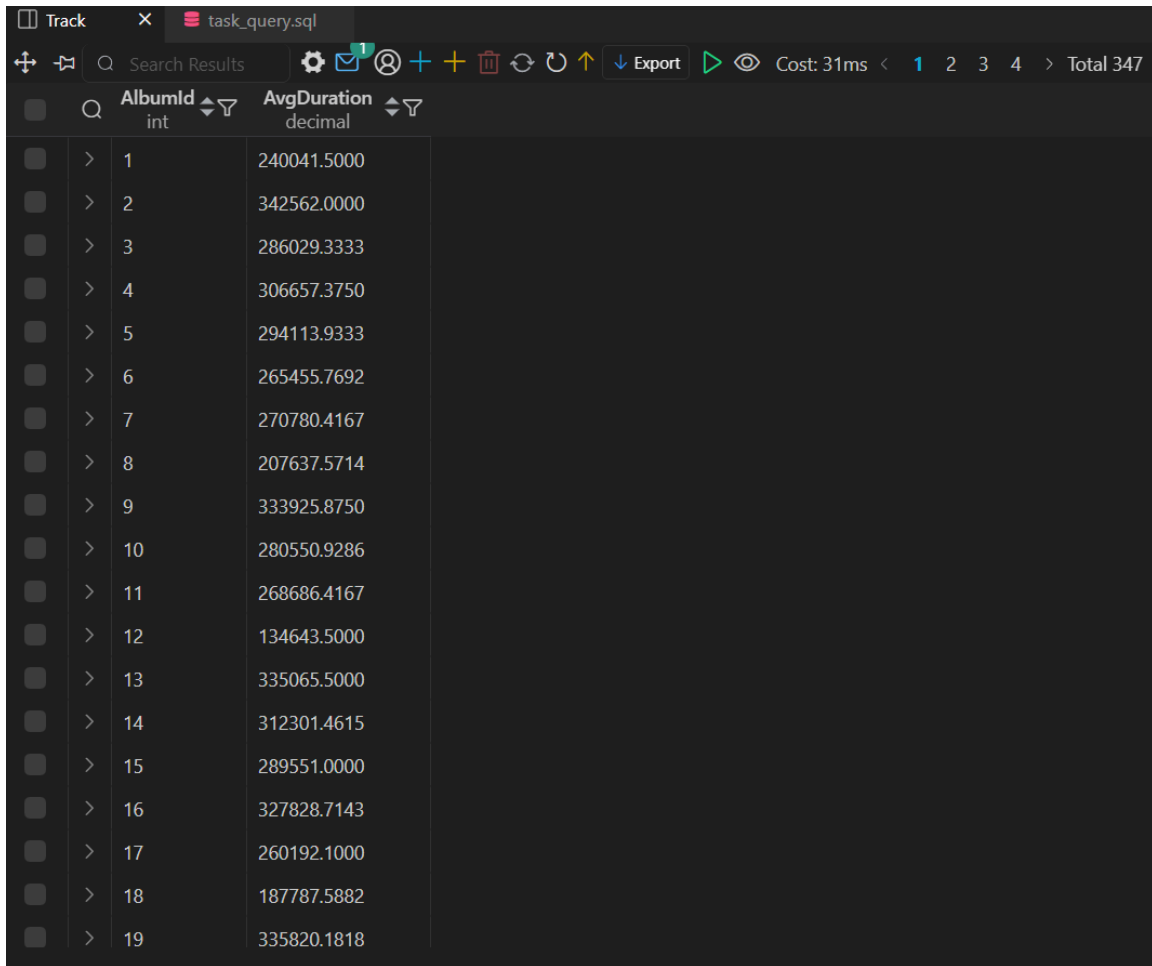


The screenshot shows a SQL query editor with a dark theme. The query is as follows:

```
SELECT AlbumId, AVG(Milliseconds) AS AvgDuration
FROM Track
GROUP BY AlbumId;
```

The query is highlighted in blue. The editor shows line numbers 33, 34, 35, and 36. The execution time is 12ms.

output:



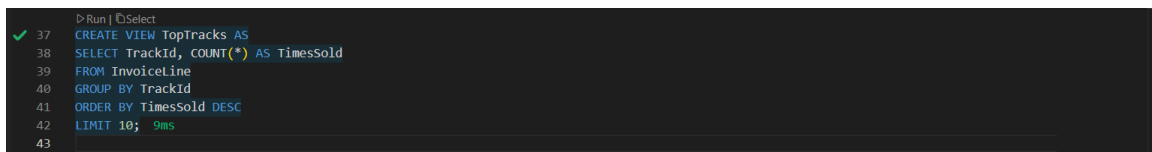
The screenshot shows a database query results window titled "task_query.sql". The results are displayed in a table with two columns: "AlbumId" (int) and "AvgDuration" (decimal). The table contains 19 rows of data, numbered 1 through 19. The "AvgDuration" values are listed in descending order. The window also shows a search bar, a "Search Results" label, and a "Cost: 31ms" indicator. The total number of rows is 347.

AlbumId	AvgDuration
1	240041.5000
2	342562.0000
3	286029.3333
4	306657.3750
5	294113.9333
6	265455.7692
7	270780.4167
8	207637.5714
9	333925.8750
10	280550.9286
11	268686.4167
12	134643.5000
13	335065.5000
14	312301.4615
15	289551.0000
16	327828.7143
17	260192.1000
18	187787.5882
19	335820.1818

6. Views for Analysis

14. 12. Create a view of top 10 best-selling tracks

sql:



The screenshot shows a SQL query editor with the following code:

```
37 CREATE VIEW TopTracks AS
38 SELECT TrackId, COUNT(*) AS TimesSold
39 FROM InvoiceLine
40 GROUP BY TrackId
41 ORDER BY TimesSold DESC
42 LIMIT 10; 9ms
43
```

output:

Search Results		Cost: 61ms < 1 > Total 10	
	* TrackId int(11)	* TimesSold bigint(21)	
>	473	2	
>	698	2	
>	1103	2	
>	1371	2	
>	1412	2	
>	2352	2	
>	2713	2	
>	2759	2	
>	3223	2	
>	3482	2	

7. Indexes & Optimization

15. 13. Create an index on Track.Name to speed up search

sql:

```
Run  
CREATE INDEX idx_track_name ON Track(Name); 5ms
```

output:

	TrackId int(11)	Name varchar(200)	AlbumId int(11)	MediaTypeId int(11)	GenreId int(11)	Composer varchar(220)	Milliseconds int(11)	Bytes int(11)	UnitPrice decimal(10,2)
> 1		For Those About To Rock (We Salute You)	1	1	1	Angus Young, Malcolm Young	343719	11170334	0.99
> 2		Balls to the Wall	2	2	1	U. Dirkschneider, W. Hoffmann	342562	5510424	0.99
> 3		Fast As a Shark	3	2	1	F. Baltes, S. Kaufman, U. Dirl	230619	3990994	0.99
> 4		Restless and Wild	3	2	1	F. Baltes, R.A. Smith-Diesel	252051	4331779	0.99
> 5		Princess of the Dawn	3	2	1	Deaffy & R.A. Smith-Diesel	375418	6290521	0.99
> 6		Put The Finger On You	1	1	1	Angus Young, Malcolm Young	205662	6713451	0.99
> 7		Let's Get It Up	1	1	1	Angus Young, Malcolm Young	233926	7636561	0.99
> 8		Inject The Venom	1	1	1	Angus Young, Malcolm Young	210834	6852860	0.99
> 9		Snowballed	1	1	1	Angus Young, Malcolm Young	203102	6599424	0.99
> 10		Evil Walks	1	1	1	Angus Young, Malcolm Young	263497	8611245	0.99
> 11		C.O.D.	1	1	1	Angus Young, Malcolm Young	199836	6566314	0.99
> 12		Breaking The Rules	1	1	1	Angus Young, Malcolm Young	263288	8596840	0.99
> 13		Night Of The Long Knives	1	1	1	Angus Young, Malcolm Young	205688	6706347	0.99
> 14		Spellbound	1	1	1	Angus Young, Malcolm Young	270863	8817038	0.99
> 15		Go Down	4	1	1	AC/DC	331180	10847611	0.99
> 16		Dog Eat Dog	4	1	1	AC/DC	215196	7032162	0.99

16. 14. Analyze slow query and optimize with index

sql:

```

46  SELECT * FROM Track WHERE Name LIKE '%love%'; 16ms
47

```

output:

	TrackId int(11)	Name varchar(200)	AlbumId int(11)	MediaTypeId int(11)	GenreId int(11)	Composer varchar(220)	Milliseconds int(11)	Bytes int(11)	UnitPrice decimal(10,2)
> 24		Love In An Elevator	5	1	1	Steven Tyler, Joe Perry	321828	10552051	0.99
> 56		Love, Hate, Love	7	1	1	Jerry Cantrell, Layne Staley	387134	12575396	0.99
> 195		Let Me Love You Baby	20	1	6	Willie Dixon	175386	5716994	0.99
> 335		My Love	29	1	9	Jauperi/Zeu Góes	203493	6772813	0.99
> 341		The Girl I Love She Got Long	30	1	1	Jimmy Page/John Bonham/	183327	5995686	0.99
> 345		Whole Lotta Love	30	1	1	Jimmy Page/John Bonham/	373394	12258175	0.99
> 413		Loverman	35	1	3	Cave	472764	15446975	0.99
> 440		Love Gun	37	1	1	Paul Stanley	196257	6424915	0.99
> 444		Do You Love Me	37	1	1	Paul Stanley, B. Ezrin, K. Fow	214987	6976194	0.99
> 449		Calling Dr. Love	37	1	1	Gene Simmons	225332	7395034	0.99
> 493		Love Is Blind	40	1	1	David Coverdale/Earl Slick	344999	11409720	0.99
> 495		Cry For Love	40	1	1	Bossi/David Coverdale/Earl	293015	9567075	0.99
> 496		Living On Love	40	1	1	Bossi/David Coverdale/Earl	391549	12785876	0.99
> 571		Love Of My Life	46	1	1	Carlos Santana & Dave Mat	347820	11634337	0.99
> 589		Um Love	47	1	7	(NULL)	181603	6095524	0.99

8. Extra Queries

17. 15. Most popular artist based on track sales

sql:

```
Run | +Tab | JSON | Select
✓ 48 SELECT Artist.Name, COUNT(*) AS Sales
49 FROM InvoiceLine
50 JOIN Track ON InvoiceLine.TrackId = Track.TrackId
51 JOIN Album ON Track.AlbumId = Album.AlbumId
52 JOIN Artist ON Album.ArtistId = Artist.ArtistId
53 GROUP BY Artist.ArtistId
54 ORDER BY Sales DESC
55 LIMIT 1; 26ms
56
```

output:

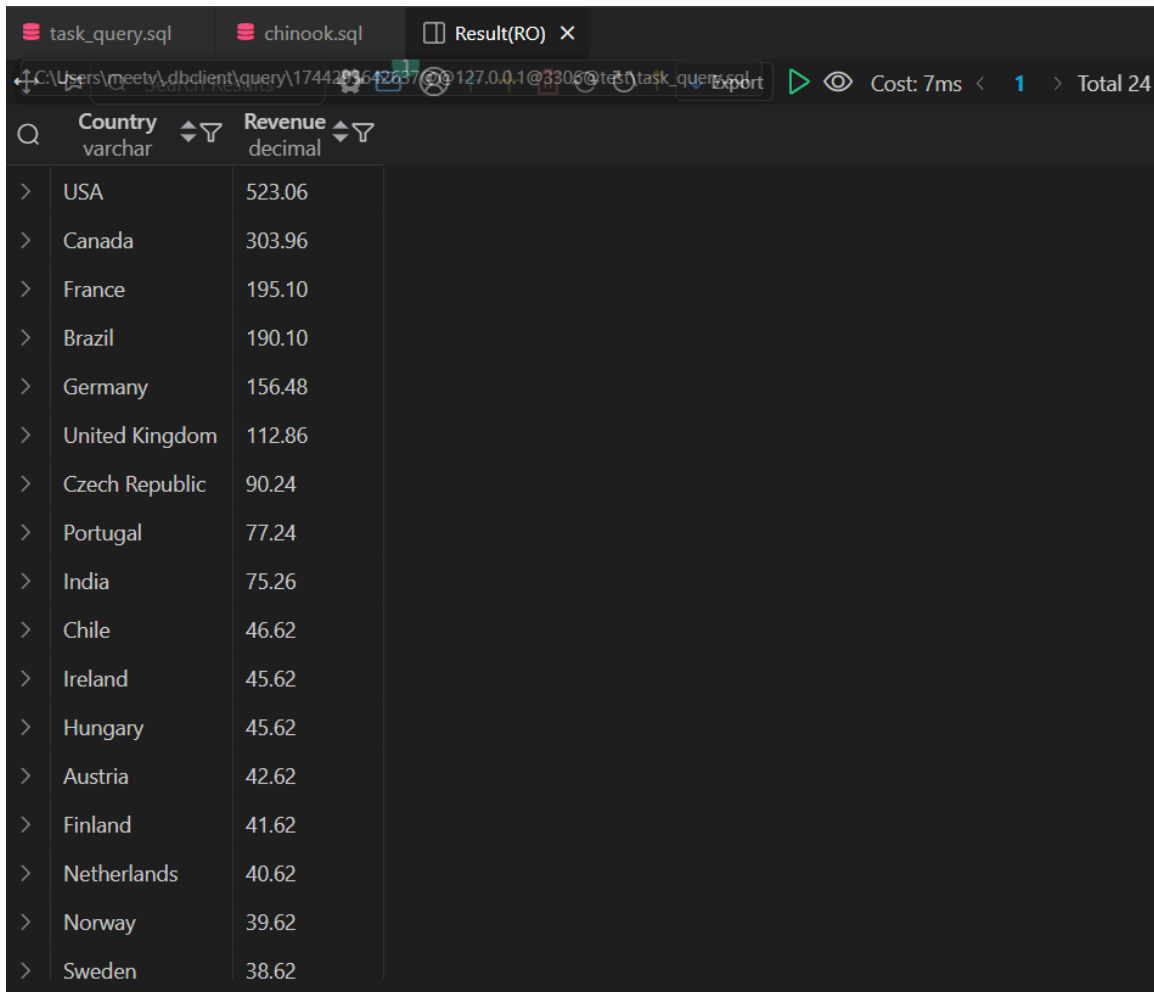
task_query.sql	chinook.sql	Result(RO) x
Search Results		
Name	Sales	
varchar	bigint	
> Iron Maiden	140	

18. 16. Revenue by country

sql:

```
Run | +Tab | JSON | Select
✓ 57 SELECT Customer.Country, SUM(Invoice.Total) AS Revenue
58 FROM Customer
59 JOIN Invoice ON Customer.CustomerId = Invoice.CustomerId
60 GROUP BY Customer.Country
61 ORDER BY Revenue DESC; 7ms
62
```


output:



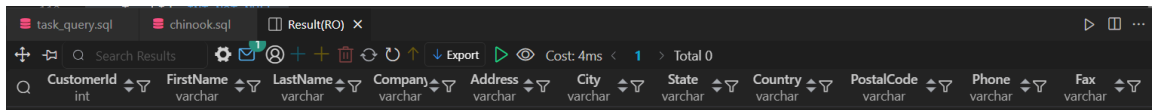
Country	Revenue
USA	523.06
Canada	303.96
France	195.10
Brazil	190.10
Germany	156.48
United Kingdom	112.86
Czech Republic	90.24
Portugal	77.24
India	75.26
Chile	46.62
Ireland	45.62
Hungary	45.62
Austria	42.62
Finland	41.62
Netherlands	40.62
Norway	39.62
Sweden	38.62

1. 19. List customers who haven't made any invoices

sql:

```
48 SELECT *
49 FROM Customer
50 WHERE CustomerId NOT IN (SELECT DISTINCT CustomerId FROM Invoice);
51
```

output:



2. 20. Find albums that contain more than 10 tracks

sql:

```
52 SELECT AlbumId, COUNT(*) AS TrackCount
53 FROM Track
54 GROUP BY AlbumId
55 HAVING COUNT(*) > 10;
56
```

output:

task_query.sql × chinook.sql Track ×

Search Results

AlbumId int(11) TrackCount

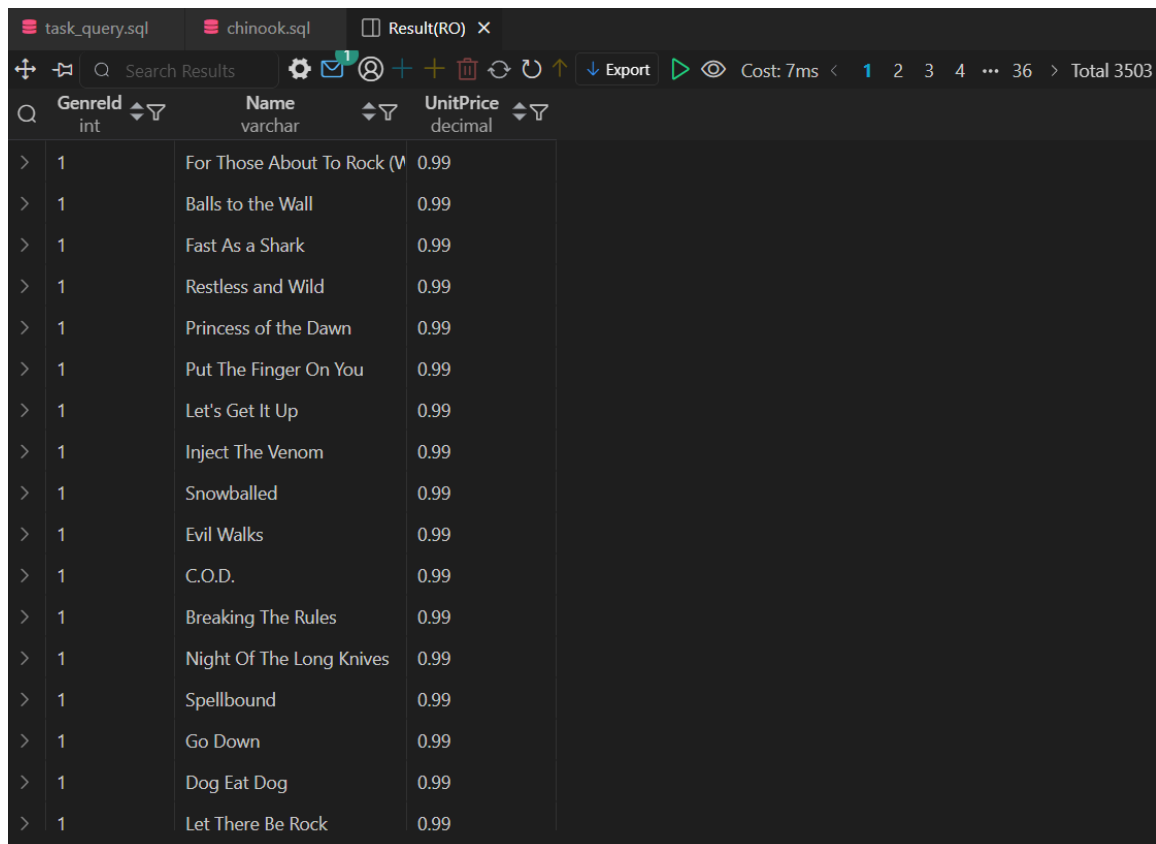
>	5	15
>	6	13
>	7	12
>	8	14
>	10	14
>	11	12
>	12	12
>	14	13
>	18	17
>	19	11
>	20	11
>	21	18
>	23	34
>	24	23
>	25	13
>	26	17
>	27	14

3. 21. Get the most expensive track in each genre

sql:

```
▷ Run | +Tab | JSON | Select
57 SELECT GenreId, Name, UnitPrice
58 FROM Track t1
59 WHERE UnitPrice = (
60     SELECT MAX(UnitPrice)
61     FROM Track t2
62     WHERE t2.GenreId = t1.GenreId
63 );
```

output:



GenreId	Name	UnitPrice
1	For Those About To Rock (We Promise Not to Be)	0.99
1	Balls to the Wall	0.99
1	Fast As a Shark	0.99
1	Restless and Wild	0.99
1	Princess of the Dawn	0.99
1	Put The Finger On You	0.99
1	Let's Get It Up	0.99
1	Inject The Venom	0.99
1	Snowballed	0.99
1	Evil Walks	0.99
1	C.O.D.	0.99
1	Breaking The Rules	0.99
1	Night Of The Long Knives	0.99
1	Spellbound	0.99
1	Go Down	0.99
1	Dog Eat Dog	0.99
1	Let There Be Rock	0.99
2	For Those About To Rock (We Promise Not to Be)	0.99
2	Balls to the Wall	0.99
2	Fast As a Shark	0.99
2	Restless and Wild	0.99
2	Princess of the Dawn	0.99
2	Put The Finger On You	0.99
2	Let's Get It Up	0.99
2	Inject The Venom	0.99
2	Snowballed	0.99
2	Evil Walks	0.99
2	C.O.D.	0.99
2	Breaking The Rules	0.99
2	Night Of The Long Knives	0.99
2	Spellbound	0.99
2	Go Down	0.99
2	Dog Eat Dog	0.99
2	Let There Be Rock	0.99

4. 22. List employees who report to someone (non-null ReportsTo)

sql:

```
▷ Run | +Tab | JSON
65 SELECT *
66 FROM Employee
67 WHERE ReportsTo IS NOT NULL;
68
```

output:

task_query.sql

chinook.sql

Employee

5. 23. Count how many invoices were created per billing city

sql:

```
▷ Run | +Tab | JSON
✓ 69 SELECT BillingCity, COUNT(*) AS InvoiceCount
70 FROM Invoice
71 GROUP BY BillingCity; 6ms
```

output:

task_query.sql		chinook.sql		Invoice		X	
Search Results				Export		Cost: 61ms < 1 > Total 53	
BillingCity varchar(40)		InvoiceCount					
>	Amsterdam	7					
>	Bangalore	6					
>	Berlin	14					
>	Bordeaux	7					
>	Boston	7					
>	Brasilia	7					
>	Brussels	7					
>	Budapest	7					
>	Buenos Aires	7					
>	Chicago	7					
>	Copenhagen	7					
>	Cupertino	7					
>	Delhi	7					
>	Dijon	7					
>	Dublin	7					
>	Edinburgh	7					
>	Edmonton	7					