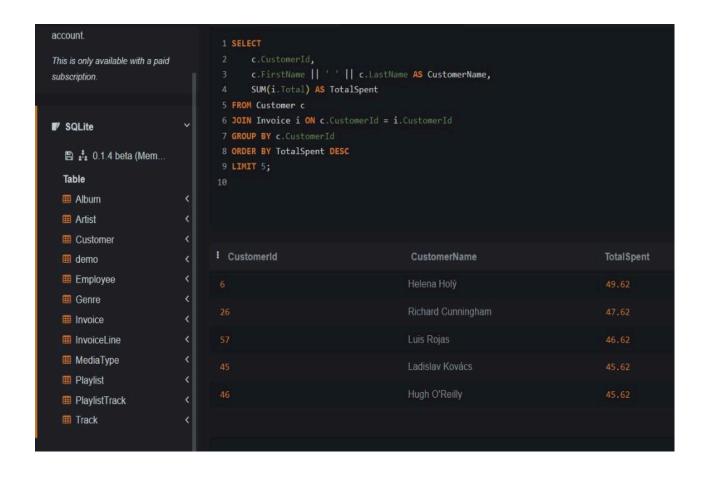
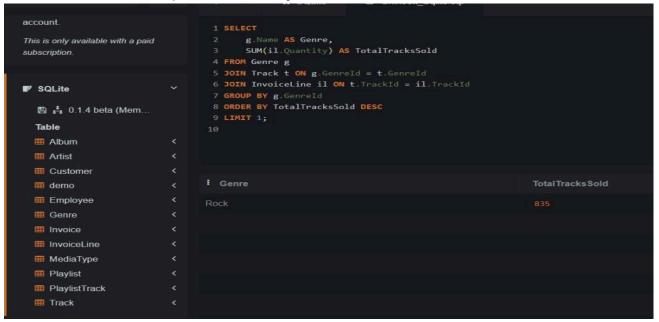
## **SQL SECTION**

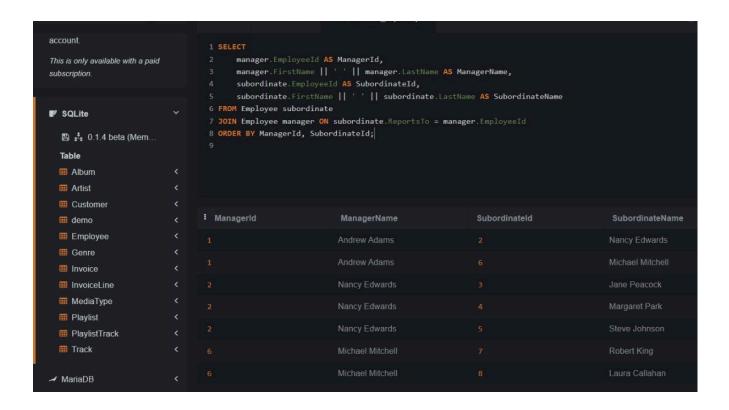
Task 1: List the top 5 customers by total purchase amount



Task 2: Most Popular Genre by Total Tracks Sold



Task 3: Retrieve All Employees Who Are Managers Along with Their Subordinates



## Task 4: For each artist, find their most sold album

This query calculates the total quantity sold for each album and picks the one with the highest for each artist.

```
1 WITH AlbumSales AS (
This is only available with a paid
subscription.
                                             ar.Name AS ArtistName,
                                            al.AlbumId,
al.Title AS AlbumTitle,
SUM(il.Quantity) AS TotalSold
SQLite
  🖺 🚣 0.1.4 beta (Mem...
                                        JOIN Album al ON ar.ArtistId = al.ArtistId
  Table
                                         JOIN Track t ON al.AlbumId = t.AlbumId
                                         JOIN InvoiceLine il ON t.TrackId = il.TrackId
  Album
  Artist
  Customer
                                  14 RankedSales AS (
                                                RANK() OVER (PARTITION BY ArtistId ORDER BY TotalSold DESC) AS rnk
  m Employee
                                        FROM AlbumSales
  m Genre
                                  18 )
                                  19 SELECT ArtistId, ArtistName, AlbumId, AlbumTitle, TotalSold
                                  20 FROM RankedSales
  m InvoiceLine
  m MediaType
  Playlist
  PlaylistTrack
  Track
```

This is only available with a paid		Control of the Contro			
subscription.	! Artistld	ArtistName	AlbumId	AlbumTitle	TotalSold
				For Those About To Roc	
■ SQLite					
🖺 🏥 0.1.4 beta (Mem				Big Ones	
Table		Alanis Morissette		Jagged Little Pill	
m Album		Alaliis Molissette		Jagged Little Pill	
m Artist					
Customer demo					
Employee				Plays Metallica By Four	
■ Genre					
Invoice InvoiceLine		BackBeat		BackBeat Soundtrack	
MediaType					
Playlist					
■ PlaylistTrack ■ Track					
→ MariaDB					
PostgreSQL				The Best Of Buddy Guy	
∦ MS SQL					

ubscription.	I Artistid	ArtistName	Albumid	Album Title	TotalSold
₩ 0.00 (10.00 (					
♥ SQLite		Chico Science & Nação			
🖺 🍰 0.1.4 beta (Mem		Cidade Negra		Acústico MTV [Live]	
Table					
M Album					
Artist					
Customer Customer				BBC Sessions [Disc 2] [	
m Employee		Frank Zappa & Captain		Bongo Fury	
Genre					
Invoice		Marcos Valle			
Invoice Invoice					
■ MediaType					
m Playlist		Ed Motta		The Best of Ed Motta	
PlaylistTrack		Elis Regina		Elis Regina-Minha Histó	
III Track					
MariaDB					
PostgreSQL					
		Metallica		ReLoad	

subscription.	! Artistld	ArtistName	AlbumTitle	TotalSold
<b>■</b> SQLite				
🖺 🚣 0.1.4 beta (Mem		Cidade Negra	Acústico MTV [Live]	
Table				
Album				
Artist				
Customer				
demo Employee		Frank Zappa & Captain	Bongo Fury	
■ Genre				
Invoice		Gilberto Gil	Quanta Gente Veio Ver	
InvoiceLine		O Rappa	Radio Brasil (O Som da	
■ MediaType		О Карра	Radio Biasii (O Solii da.	
Playlist PlaylistTrack				
Track				
✓ MariaDB				
PostgreSQL				
		Metallica	ReLoad	
MS SQL				

Pricing Help Q	*	▶ Run #	SQLite	sql:		0 <
account.		1 WITH AlbumSal	es AS (			
This is only available with a paid						
subscription.		! Artistld	ArtistName	Albumld	AlbumTitle	TotalSold
					Greatest Hits II	
<b>₽</b> SQLite					Greatest Kiss	
🖺 🚣 0.1.4 beta (Mem			Spyro Gyra		Heart of the Night	
Table						
Album						
Artist					Into The Light	
Customer					Meus Momentos	
m demo						
m Employee						
■ Genre						
Invoice			Deep Purple		Knocking at Your Back	
m InvoiceLine						
■ MediaType						
Playlist						
PlaylistTrack			Santana		Supernatural	
III Track						
✓ MariaDB					Miles Ahead	
≠ мапа∪о						
PostgreSQL			Toquinho & Vinícius			
			Vinicius De Moraes	247	Vinicius De Moraes	
MS SQL						

This is only available with a paid					
subscription.	: Artistld	ArtistName	Albumld	AlbumTitle	TotalSold
		Creedence Clearwater			
<b>I</b> SQLite ∨				Cássia Eller - Coleção	
🖺 🚣 0.1.4 beta (Mem		Def Leppard		Vault: Def Leppard's Gr	
Table					
■ Album <					
Artist <				Djavan Ao Vivo - Vol. 02	
■ Customer <				Djavan Ao Vivo - Vol. 1	
■ demo		Eric Clapton		Unplugged	
■ Capacyso		Faith No More		Album Of The Year	
■ Invoice <					
■ InvoiceLine <				Angel Dust	
■ MediaType 〈		Falamansa			
■ Playlist 〈				In Your Honor [Disc 2]	
■ PlaylistTrack < ■ Track <				The Colour And The Sh	
		Frank Sinatra		My Way: The Best Of Fr	
→ MariaDB					
PostgreSQL <					
⊁ MS SQL <		Guns N' Roses			

ubscription.	Artistld	ArtistName	Albumld	AlbumTitle	TotalSold
				Blue Moods	
SQLite				The X Factor	
🖺 📩 0.1.4 beta (Mem		James Brown	115	Sex Machine	
Table					
M Album					
Artist				Get Born	
Customer				Are You Experienced?	
■ demo					
Employee				Surfing with the Alien (R	
■ Genre					
Invoice InvoiceLine					
■ MediaType				Living After Midnight	
■ Playlist		Legião Urbana	139	A Tempestade Tempesta	
PlaylistTrack					
■ Track					
				Lulu Santos - RCA 100	
✓ MariaDB					
PostgreSQL		Marisa Monte		Barulhinho Bom	
⊩ MS SQL				Seek And Shall Find: M	

: Artistld	ArtistName	AlbumId	AlbumTitle	TotalSold
	Men At Work		The Best Of Men At Work	
			Ace Of Spades	
	Mônica Marianno			
	Nirvana		From The Muddy Banks	
	Olodum			
			Acústico MTV	
	Page & Plant		Walking Into Clarksdale	
	Passengers		Original Soundtracks 1	
	Paul D'Ianno			
	Pearl Jam		Live On Two Legs [Live]	
			Dark Side Of The Moon	
	Planet Hemp		Os Cães Ladram Mas A	
	R.E.M. Feat. Kate Pear			

Artistld	ArtistName	Albumld	AlbumTitle	TotalSold

Task 5: Monthly sales trends in the year 2013

This query groups sales data by month for 2013:

