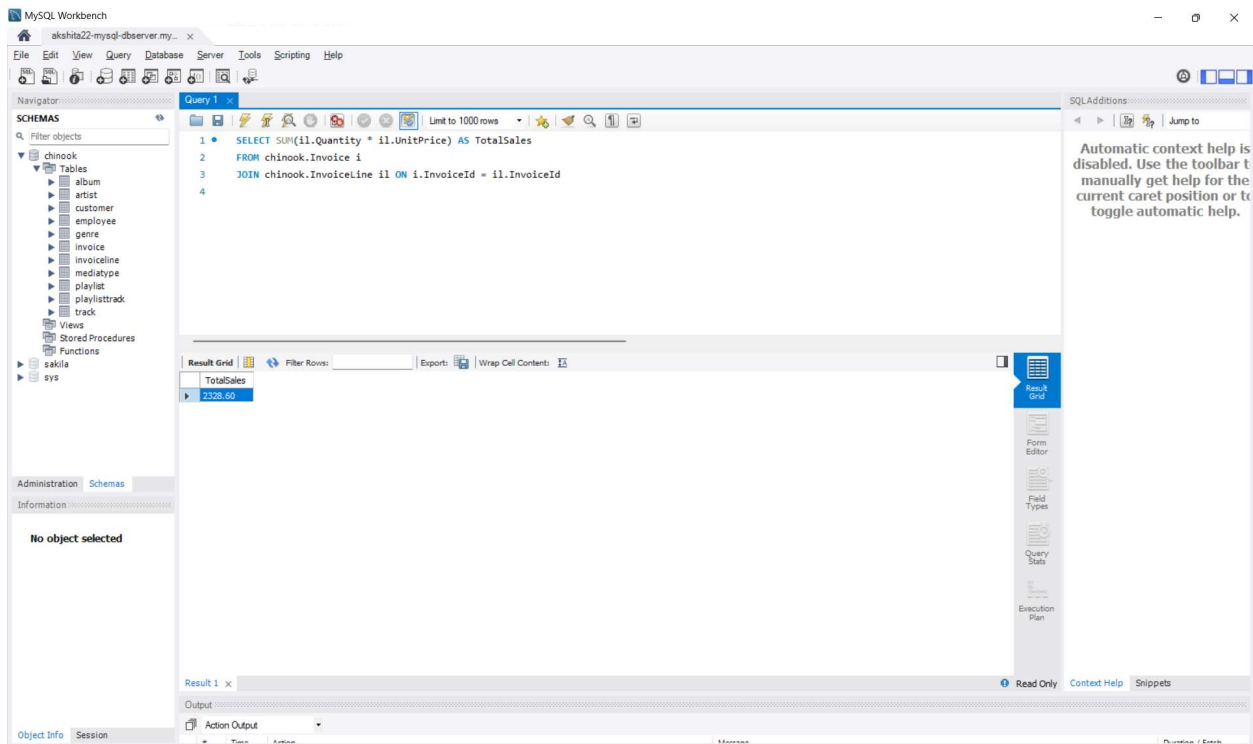


# MYSQL SQL QUERIES

## 1. Total Sales

```
SELECT SUM(il.Quantity * il.UnitPrice) AS TotalSales
FROM chinook.Invoice i
JOIN chinook.InvoiceLine il ON i.InvoiceId = il.InvoiceId
```



## 2. Total Sales by country- ranked

```
SELECT BillingCountry as Country, SUM(Total) AS TotalSales
FROM chinook.Invoice
GROUP BY BillingCountry
ORDER BY TotalSales DESC, Country
```

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the following SQL query:

```
1 SELECT BillingCountry as Country, SUM(Total) AS TotalSales
2 FROM chinook.Invoice
3 GROUP BY BillingCountry
4 ORDER BY TotalSales DESC, Country
5
```

The 'Result Grid' shows the output of the query, sorted by total sales in descending order. The data is as follows:

Country	TotalSales
USA	523.06
United Kingdom	112.86
Sweden	38.62
Spain	37.62
Portugal	77.24
Poland	37.62
Norway	39.62
Netherlands	40.62
Italy	37.62
Ireland	45.62
India	75.26
Hungary	45.62
Germany	156.48
France	195.10
Finland	41.62
Denmark	37.62
Czech Republic	90.24
Chile	46.62
Canada	303.36
Brazil	190.10
Belgium	37.62

The 'Output' tab at the bottom shows 'Action Output'.

### 3. Total Sales by country, state, city

```
SELECT BillingCountry AS Country, BillingState AS State, BillingCity as City, SUM(Total) AS  
TotalSales
```

```
FROM chinook.Invoice
```

```
GROUP BY BillingCountry, BillingState, BillingCity
```

```
ORDER BY TotalSales DESC
```

The screenshot shows the MySQL Workbench interface. The 'Query' tab is active, displaying the following SQL query:

```
1 SELECT BillingCountry AS Country, BillingState AS State, BillingCity as City, SUM(Total) AS TotalSales
2 FROM chinook.Invoice
3 GROUP BY BillingCountry, BillingState, BillingCity
4 ORDER BY TotalSales DESC
5
```

The 'Result Grid' shows the results of the query, sorted by TotalSales in descending order. The data is as follows:

Country	State	City	TotalSales
Czech Republic	Prague	Prague	90.24
France	Paris	Paris	77.24
USA	CA	Mountain View	77.24
Germany	Berlin	Berlin	75.24
Brazil	SP	São Paulo	75.24
United Kingdom	London	London	75.24
USA	TX	Fort Worth	47.62
Chile	Santiago	Santiago	46.62
Ireland	Dublin	Dublin	45.62
Hungary	Budapest	Budapest	45.62
USA	UT	Salt Lake City	43.62
Germany	Frankfurt	Frankfurt	43.62
USA	IL	Chicago	43.62
USA	WI	Madison	42.62
Austria	Vienne	Vienne	42.62
Finland	Helsinki	Helsinki	41.62
Netherlands	Amsterdam	Amsterdam	40.62
France	Dijon	Dijon	40.62
Norway	Oslo	Oslo	39.62
Portugal	Lisbon	Lisbon	39.62
Brazil	SP	São José dos ...	39.62
USA	FL	Orlando	39.62
USA	MA	Cambridge	30.62

The interface also includes a 'Navigator' on the left showing the database schema, a 'SQL Additions' panel on the right, and a 'Result Grid' at the bottom. The 'Output' panel at the bottom shows 'Action Output'.

#### 4. Total sales by customer- ranked

```
SELECT CONCAT(c.LastName, ', ', c.FirstName) as CustomerName, SUM(i.Total) as TotalSales
FROM chinook.Customer c
JOIN chinook.Invoice i ON c.CustomerId = i.CustomerId
GROUP BY CONCAT(c.LastName, ', ', c.FirstName)
ORDER BY TotalSales DESC, CustomerName
```

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'SCHEMAS' tree with the 'chinook' database selected. The main query editor contains the SQL query for total sales by customer. The 'Result Grid' shows the output of the query, listing customer names and their total sales. The right sidebar contains a 'SQL Additions' panel with a message about context help.

**Query 1**

```
1 SELECT CONCAT(c.LastName, ', ', c.FirstName) as CustomerName, SUM(i.Total) as TotalSales
2 FROM chinook.Customer c
3 JOIN chinook.Invoice i ON c.CustomerId = i.CustomerId
4 GROUP BY CONCAT(c.LastName, ', ', c.FirstName)
5 ORDER BY TotalSales DESC, CustomerName
6
```

**Result Grid**

CustomerName	TotalSales
Holy, Helena	49.62
Cunningham, Richard	47.62
Rojas, Luis	46.62
Kovács, Ladislav	45.62
O'Reilly, Hugh	45.62
Barnett, Julia	43.62
Rakston, Frank	43.62
Zimmermann, Fynn	43.62
Gruber, Astrid	42.62
Stevens, Victor	42.62
Hämäläinen, Terhi	41.62
Mensier, Isabelle	40.62
Van der Berg, Johan...	40.62
Wichterlová, František	40.62
Fernandes, João	39.62
Grard, Wyatt	39.62
Gongalves, Luis	39.62
Hansen, Bjørn	39.62
Lescock, Heather	39.62
Hiller, Dan	39.62
Smith, Jack	39.62
Tremblay, François	39.62
Barnard, Camille	18.62

**SQL Additions**

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

## 5. Total sales by artist- ranked

```
SELECT a.Name as ArtistName, SUM(i.UnitPrice * i.Quantity) as TotalSales
FROM chinook.Artist a
JOIN chinook.Album al ON a.ArtistId = al.ArtistID
JOIN chinook.Track tr on tr.AlbumId = al.AlbumId
JOIN chinook.InvoiceLine i ON i.TrackId = tr.TrackId
GROUP BY a.Name
ORDER BY TotalSales DESC
```

The screenshot shows the MySQL Workbench interface. The 'Query Editor' window displays the following SQL query:

```
1 SELECT a.Name as ArtistName, SUM(i.UnitPrice * i.Quantity) as TotalSales
2 FROM chinook.Artist a
3 JOIN chinook.Album al ON a.ArtistId = al.ArtistID
4 JOIN chinook.Track tr on tr.AlbumId = al.AlbumId
5 JOIN chinook.InvoiceLine i ON i.TrackId = tr.TrackId
6 GROUP BY a.Name
7 ORDER BY TotalSales DESC
8
9
```

The 'Result Grid' window shows the results of the query, sorted by TotalSales in descending order. The results are as follows:

ArtistName	TotalSales
Iron Maiden	138.60
U2	105.93
Metallica	90.09
Led Zepplin	86.13
Lost	81.59
The Office	49.75
Os Paralamas Do Sucesso	44.55
Deep Purple	43.56
Faith No More	41.58
Eric Clapton	39.60
R.E.M.	38.61
Queen	36.63
Creedence Clearwater R...	36.63
Battlestar Galactica (Clas...	35.82
Guns N' Roses	35.64
Titãs	33.66
Green Day	32.67
Pearl Jam	31.68
Kiss	30.69
Various Artists	28.71
Van Halen	28.71
Chico Buarque	26.73
David May Chilli Dancers	24.73

The 'Schemas' window on the left shows the database structure, including tables like album, artist, customer, employee, genre, invoice, invoiceLine, playlist, playlisttrack, track, and views. The 'Output' window at the bottom shows the 'Action Output'.

## 6. Total sales by albums

```
SELECT al.Title , SUM(i.UnitPrice * i.Quantity) as TotalSales
FROM chinook.Album al
JOIN chinook.Track tr on tr.AlbumId = al.AlbumId
JOIN chinook.InvoiceLine i ON i.TrackId = tr.TrackId
GROUP BY al.Title
ORDER BY TotalSales DESC, al.Title
```

The screenshot shows the MySQL Workbench interface. The 'Query Editor' window contains the following SQL query:

```
1 SELECT al.Title , SUM(i.UnitPrice * i.Quantity) as TotalSales
2 FROM chinook.Album al
3 JOIN chinook.Track tr on tr.AlbumId = al.AlbumId
4 JOIN chinook.InvoiceLine i ON i.TrackId = tr.TrackId
5 GROUP BY al.Title
6 ORDER BY TotalSales DESC, al.Title
7
```

The 'Result Grid' window displays the results of the query, showing the album titles and their total sales. The results are sorted by total sales in descending order.

Title	TotalSales
Battlestar Galactica (Classic), Season 1	35.82
Minha Historia	34.65
The Office, Season 3	31.84
Heroes, Season 1	25.87
Lost, Season 2	25.87
Greatest Hits	25.74
Unplugged	24.75
Battlestar Galactica, Season 3	23.88
Lost, Season 3	21.89
Acustico	21.78
Lost, Season 1	19.90
Greatest Kiss	19.80
Chronicle, Vol. 2	18.81
My Generation - The Very Best Of The...	18.81
Prenda Minha	18.81
Acustico MTV	17.82
Chronicle, Vol. 1	17.82
International Superhits	17.82
Rattle And Hum	16.83
The Best Of R.E.M.: The IRS Years	16.83
Up An' Atom	16.83
Use Your Illusion I	16.83
Afrochordella	15.84
Instant Karma: The Amnesty Internati...	15.84
A-Sides	14.85
American Idol	14.85

The interface also includes a 'Navigator' pane on the left showing the database schema, and a 'SQL Additions' pane on the right with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

## 7. Total sales by salesperson

```
SELECT CONCAT(e.LastName, ' ', e.FirstName) as EmployeeName, SUM(il.UnitPrice * il.Quantity)
as TotalSales
FROM chinook.Employee e
JOIN chinook.Customer c ON c.SupportRepId = e.EmployeeId
JOIN chinook.Invoice i on i.CustomerId = c.CustomerId
JOIN chinook.InvoiceLine il on il.InvoiceId = i.InvoiceId
GROUP BY CONCAT(e.LastName, ' ', e.FirstName)
ORDER BY TotalSales DESC
```

The screenshot shows the MySQL Workbench interface. The 'Query Editor' window contains the following SQL query:

```
1 SELECT CONCAT(e.LastName, ' ', e.FirstName) as EmployeeName, SUM(il.UnitPrice * il.Quantity) as TotalSales
2 FROM chinook.Employee e
3 JOIN chinook.Customer c ON c.SupportRepId = e.EmployeeId
4 JOIN chinook.Invoice i on i.CustomerId = c.CustomerId
5 JOIN chinook.InvoiceLine il on il.InvoiceId = i.InvoiceId
6 GROUP BY CONCAT(e.LastName, ' ', e.FirstName)
7 ORDER BY TotalSales DESC
8
9
```

The 'Result Grid' window displays the results of the query:

EmployeeName	TotalSales
Peacock, Jane	833.04
Park, Margaret	775.40
Johnson, Steve	720.16

The interface also shows a 'Navigator' pane on the left with the 'chinook' database selected, and a 'SQL Additions' pane on the right with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'

## 8. Total tracks bought and total revenues

```
SELECT mt.Name, SUM(Quantity) AS TotalTracks, SUM(Quantity * i.UNITPRICE) AS TotalSales
FROM chinook.MediaType mt
JOIN chinook.Track t on t.MediaTypeID = mt.MediaTypeID
JOIN chinook.InvoiceLine i on i.TrackId = t.TrackId
GROUP BY mt.Name
ORDER BY TotalSales DESC
```

The screenshot shows the MySQL Workbench interface. The central query editor contains the following SQL query:

```
1 SELECT mt.Name, SUM(Quantity) AS TotalTracks, SUM(Quantity * i.UNITPRICE) AS TotalSales
2 FROM chinook.MediaType mt
3 JOIN chinook.Track t on t.MediaTypeID = mt.MediaTypeID
4 JOIN chinook.InvoiceLine i on i.TrackId = t.TrackId
5 GROUP BY mt.Name
6 ORDER BY TotalSales DESC
7
8
9
```

Below the query editor, the 'Result Grid' tab is active, displaying the results of the query. The results are as follows:

Name	TotalTracks	TotalSales
MPEG audio file	1976	1956.24
Protected MPEG-4 video file	111	220.89
Protected AAC audio file	146	144.54
Purchased AAC audio file	4	3.96
AAC audio file	3	2.97

On the right side of the interface, a 'SQL Additions' panel is visible with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'



## 9. Total Sales by Customer

```
SELECT CONCAT(c.LastName, ', ', c.FirstName) as CustomerName, SUM(Quantity*UnitPrice) AS
TotalSales
FROM chinook.Invoice i
INNER JOIN chinook.Customer c on i.CustomerId=c.CustomerId
INNER JOIN chinook.InvoiceLine il ON i.InvoiceId = il.InvoiceId
GROUP BY CONCAT(c.LastName, ', ', c.FirstName)
ORDER BY TotalSales DESC, CustomerName;
```

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 SELECT CONCAT(c.LastName, ', ', c.FirstName) as CustomerName, SUM(Quantity*UnitPrice) AS TotalSales
2 FROM chinook.Invoice i
3 INNER JOIN chinook.Customer c on i.CustomerId=c.CustomerId
4 INNER JOIN chinook.InvoiceLine il ON i.InvoiceId = il.InvoiceId
5 GROUP BY CONCAT(c.LastName, ', ', c.FirstName)
6 ORDER BY TotalSales DESC, CustomerName;
7
8
9
```

The Results tab is active, displaying the following data:

CustomerName	TotalSales
Holly, Helena	49.62
Cunningham, Richard	47.62
Rojas, Luis	46.62
Kovács, Ladislav	45.62
O'Reilly, Hugh	45.62
Barnett, Julia	43.62
Ralston, Frank	43.62
Zimmermann, Fynn	43.62
Gruber, Astrid	42.62
Stevens, Victor	42.62
Hämäläinen, Terhi	41.62
Mercier, Isabelle	40.62
Van der Berg, Johan...	40.62
Wichterlová, František	40.62
Fernandes, João	39.62
Grand, Wyatt	39.62
Gonçalves, Luis	39.62
Hansen, Bjørn	39.62
Leacock, Heather	39.62
Miller, Dan	39.62
Smith, Jack	39.62
Tremblay, François	39.62
Bernard, Camille	38.62
Goyer, Tim	38.62
Johansson, Joakim	38.62
Lefebvre, Dominique	38.62

The interface also shows a sidebar with the 'chinook' database schema, a top toolbar with various icons, and a bottom status bar with 'Read Only', 'Context Help', and 'Snippets' buttons.

## 10. Total sales by genre

```
SELECT g.Name AS Genre, SUM(il.UnitPrice * il.Quantity) AS TotalSales
FROM chinook.Invoice i
JOIN chinook.InvoiceLine il ON il.InvoiceId = i.InvoiceId
JOIN chinook.Track t on t.TrackId = il.TrackId
JOIN chinook.Genre g ON g.GenreId = t.GenreId
GROUP BY g.Name
ORDER BY TotalSales DESC, g.Name
```

The screenshot shows the MySQL Workbench interface. The SQL editor contains the following query:

```
1 SELECT g.Name AS Genre, SUM(il.UnitPrice * il.Quantity) AS TotalSales
2 FROM chinook.Invoice i
3 JOIN chinook.InvoiceLine il ON il.InvoiceId = i.InvoiceId
4 JOIN chinook.Track t on t.TrackId = il.TrackId
5 JOIN chinook.Genre g ON g.GenreId = t.GenreId
6 GROUP BY g.Name
7 ORDER BY TotalSales DESC, g.Name
8
9
```

The Results Grid displays the following data:

Genre	TotalSales
Rock	825.65
Latin	382.14
Metal	261.36
Alternative & Punk	241.56
TV Shows	93.53
Jazz	79.20
Blues	60.00
Drama	57.71
Classical	40.59
R&B/Soul	40.59
Sci Fi & Fantasy	39.80
Reggae	29.70
Pop	27.72
Soundtrack	19.80
Comedy	17.91
Hip Hop/Rap	16.83
Bossa Nova	14.85
Alternative	13.86
World	12.87
Science Fiction	11.94
Electronica/Dance	11.88
Heavy Metal	11.88
Easy Listening	9.90
Rock And Roll	5.94

The interface also shows a sidebar with the 'chinook' database schema, a 'Query 1' tab, and a 'Result Grid' button. A message on the right states: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.'