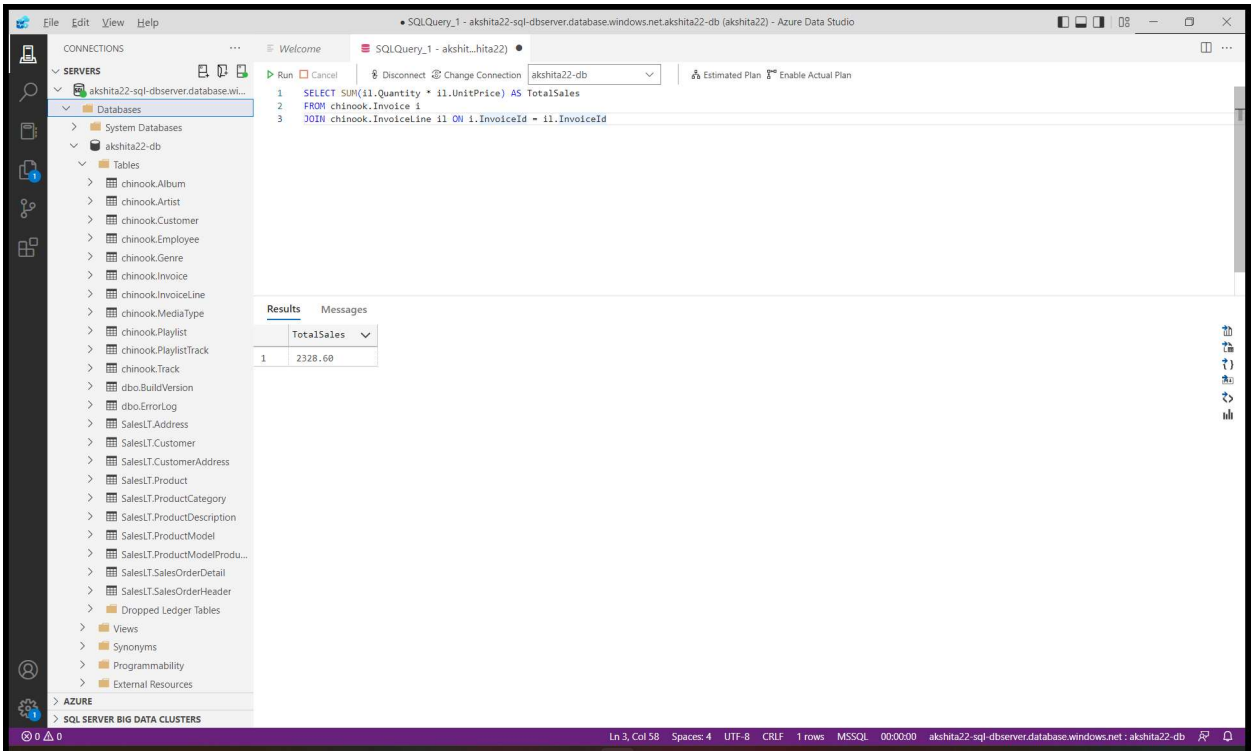
AZURE SQL QUERIES

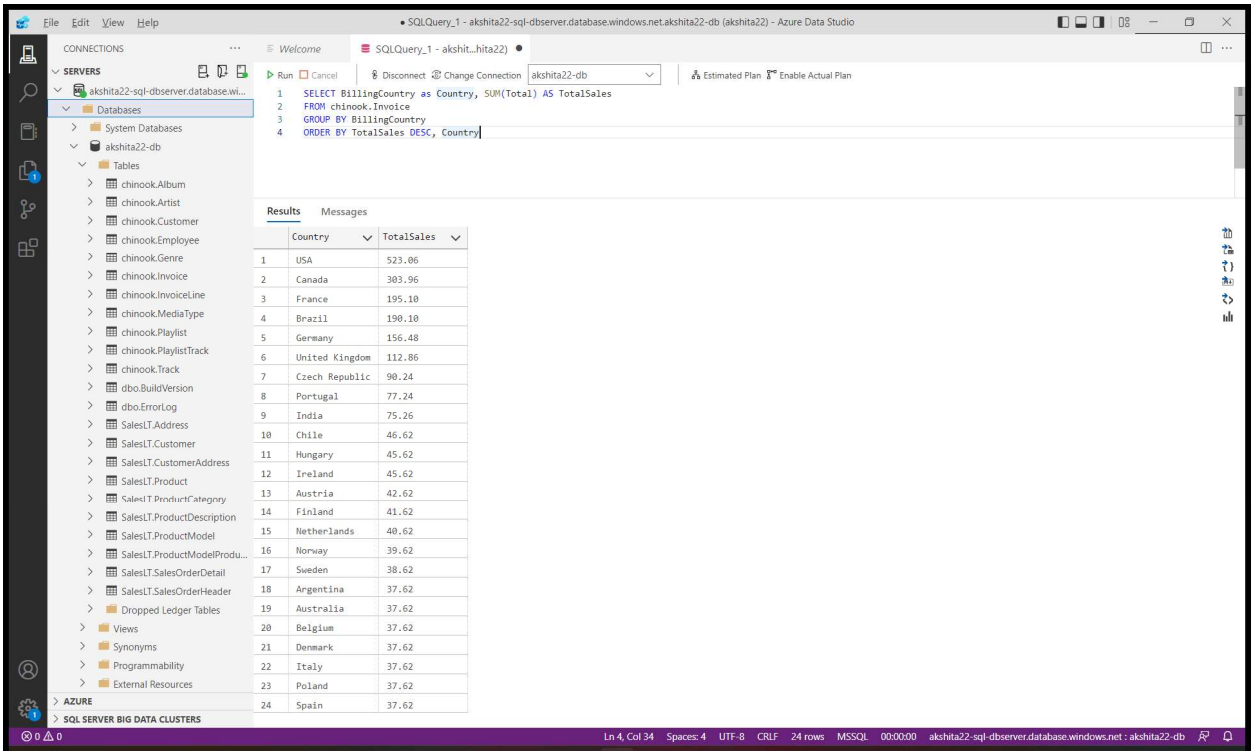
1. Total Sales

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



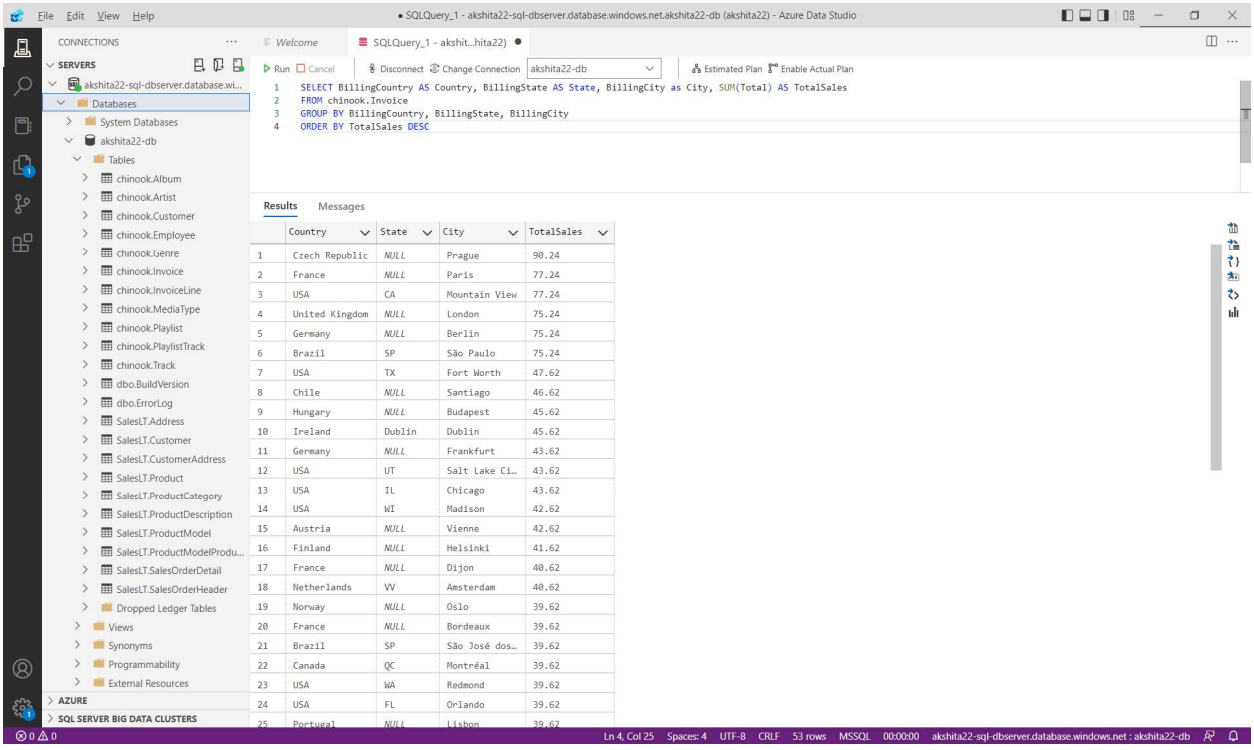
2. Total Sales by country- ranked

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



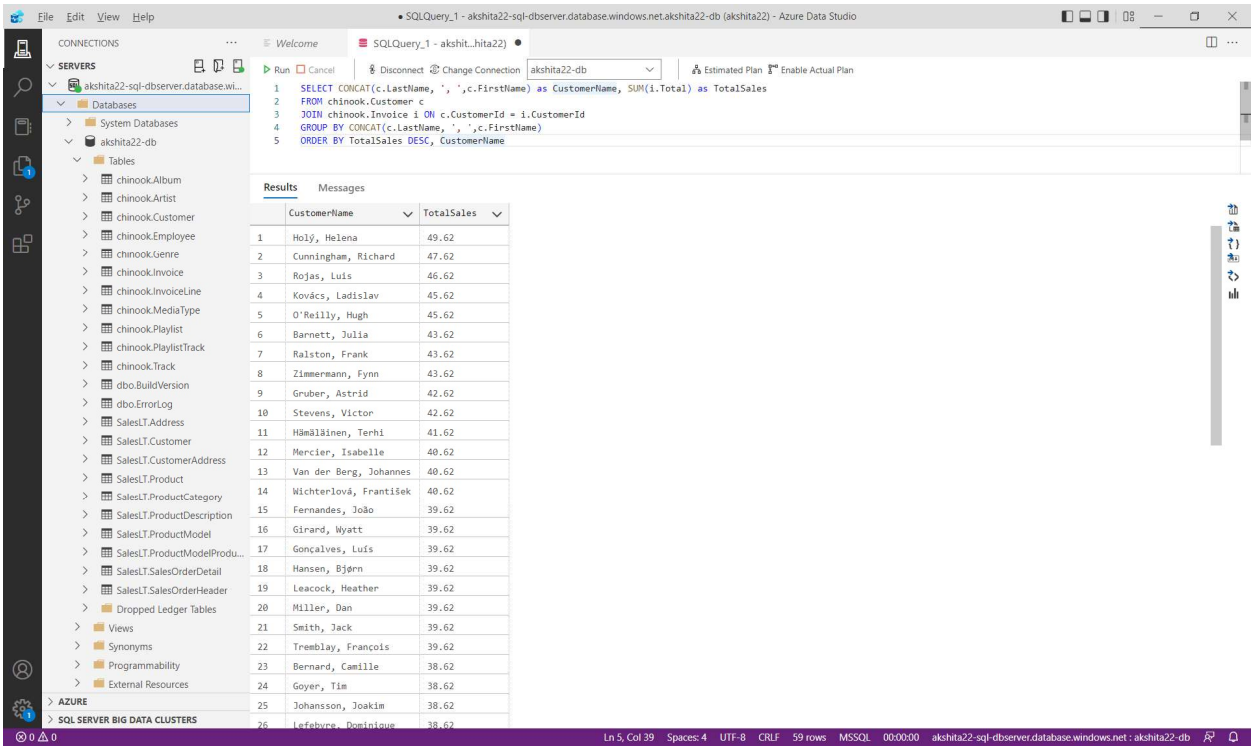
3. Total Sales by country, state, city

```
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
```



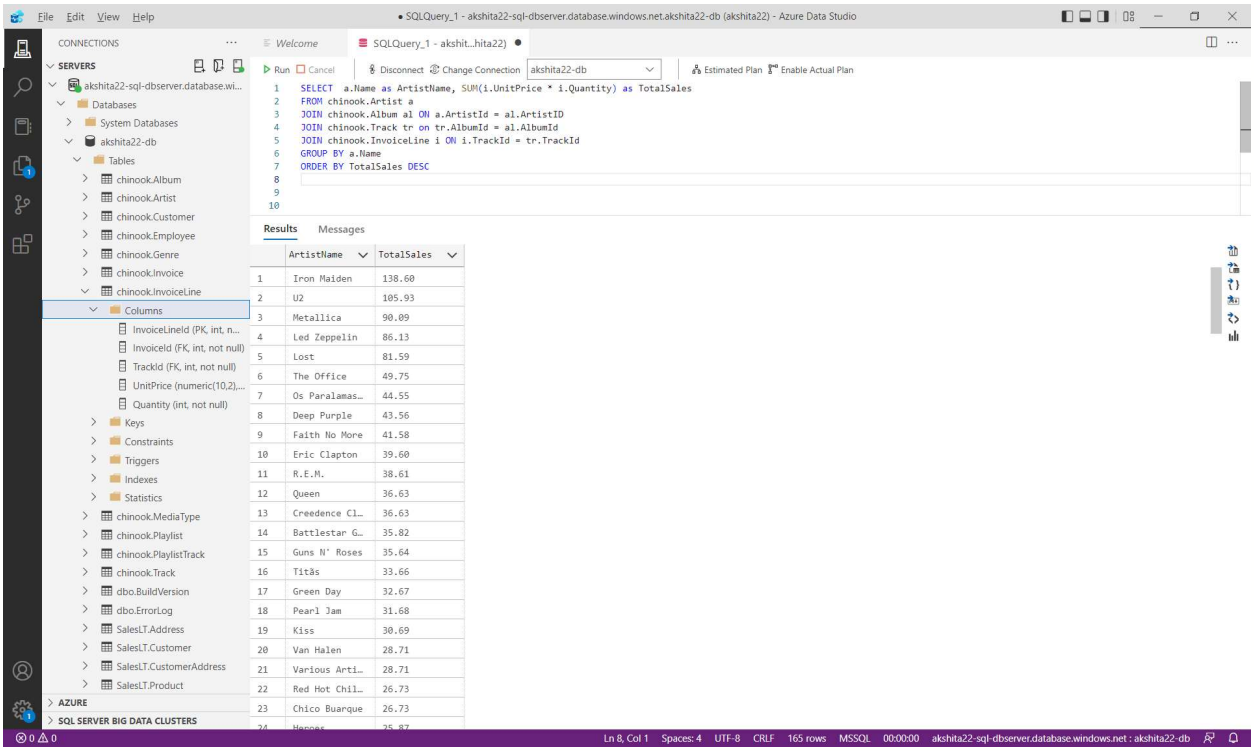
4. Total sales by customer- ranked

```
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
```



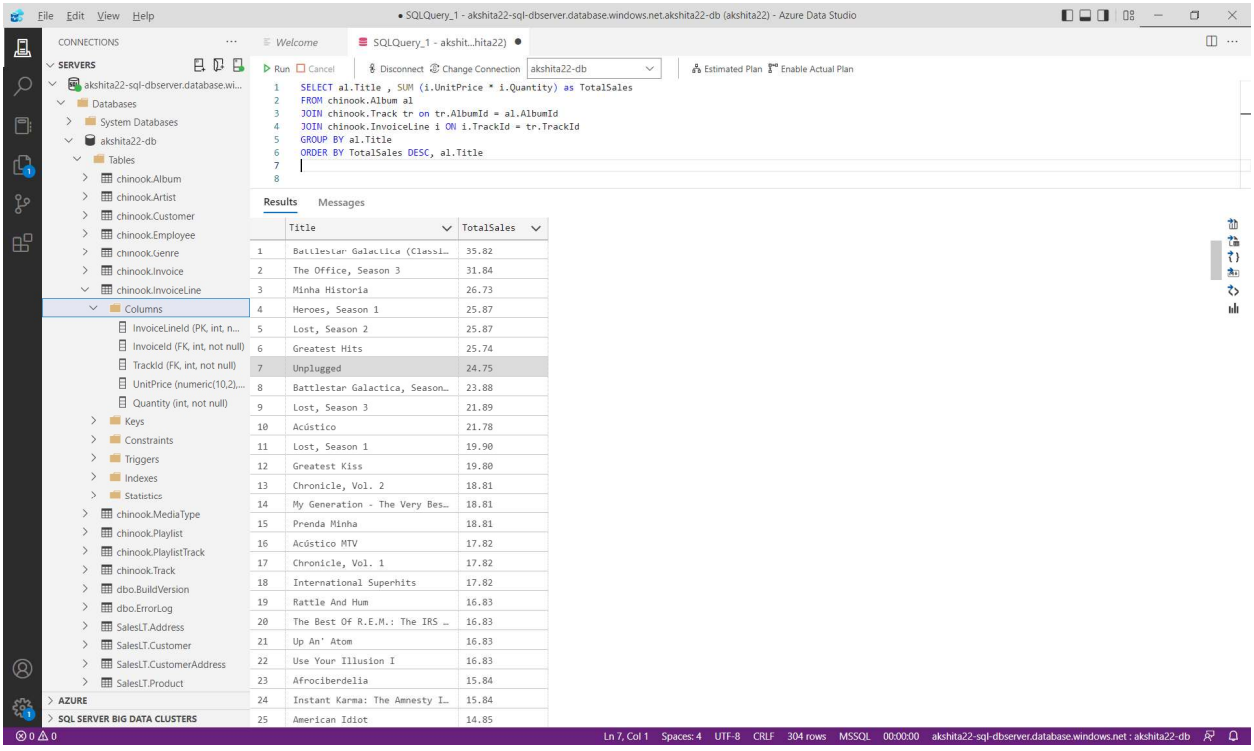
5. Total sales by artist- ranked

```
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
```



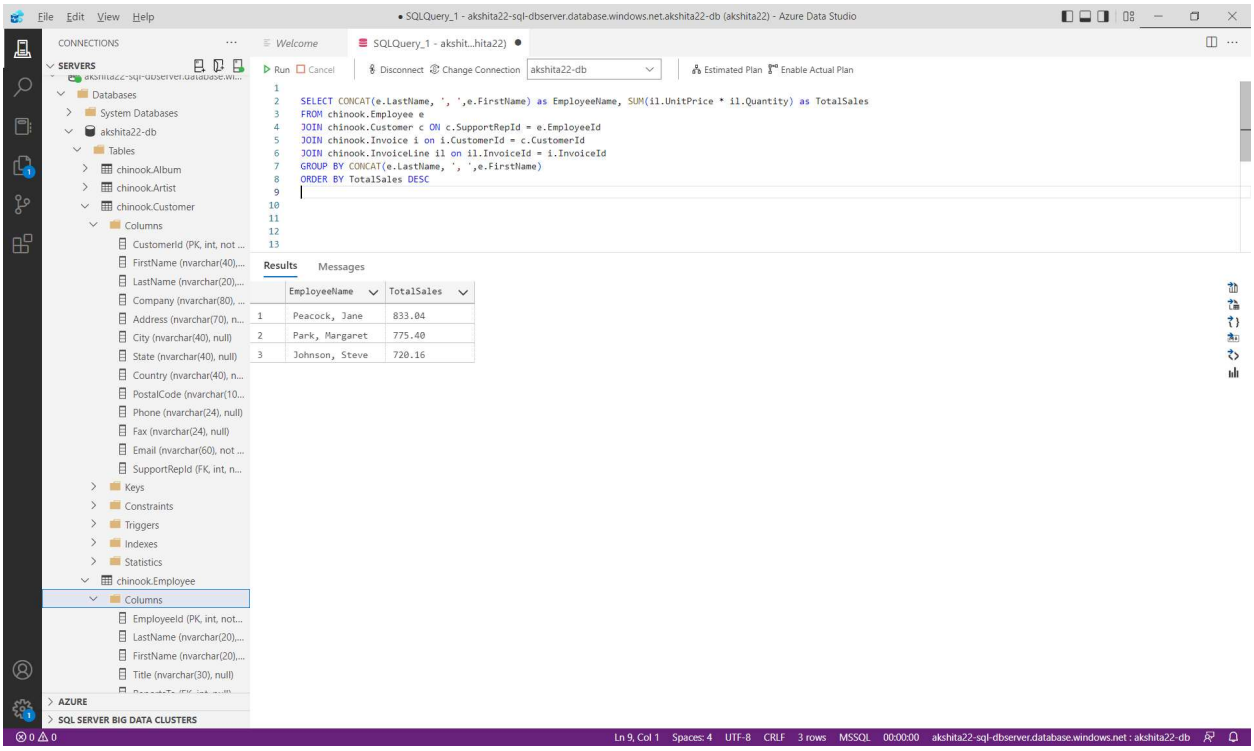
6. Total sales by albums

```
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
```



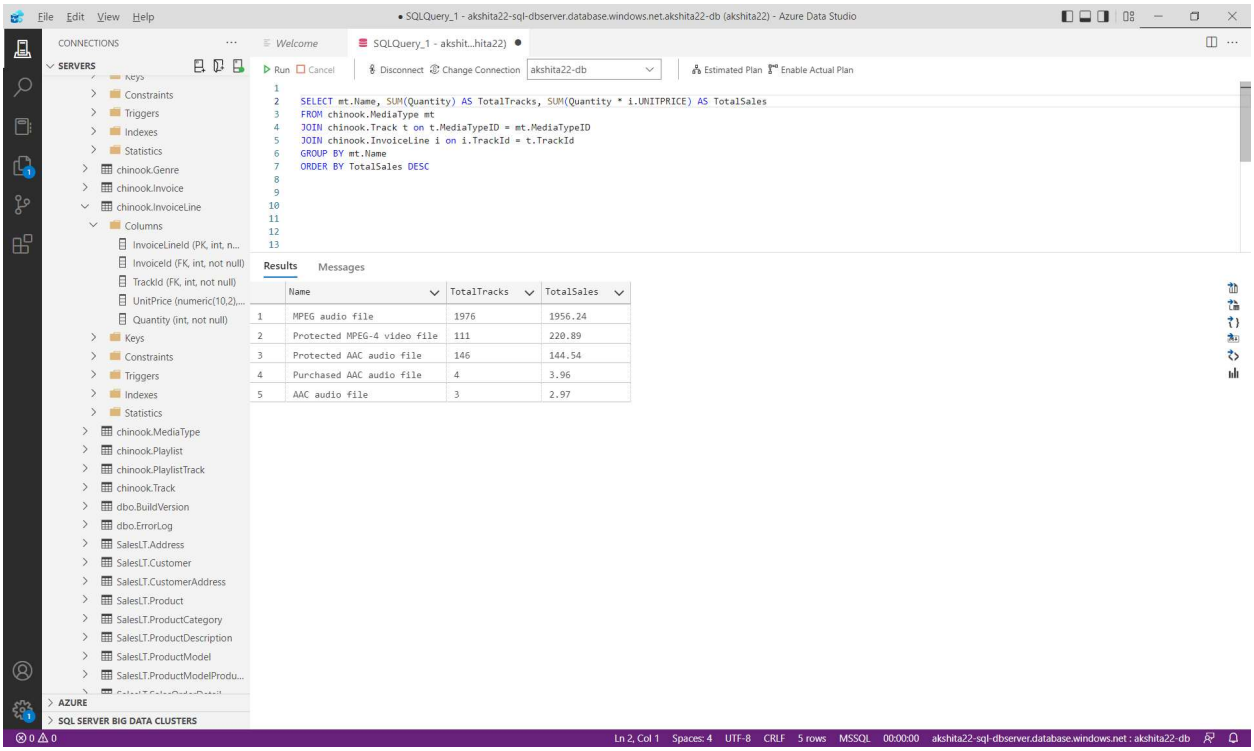
7. Total sales by salesperson

```
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
```



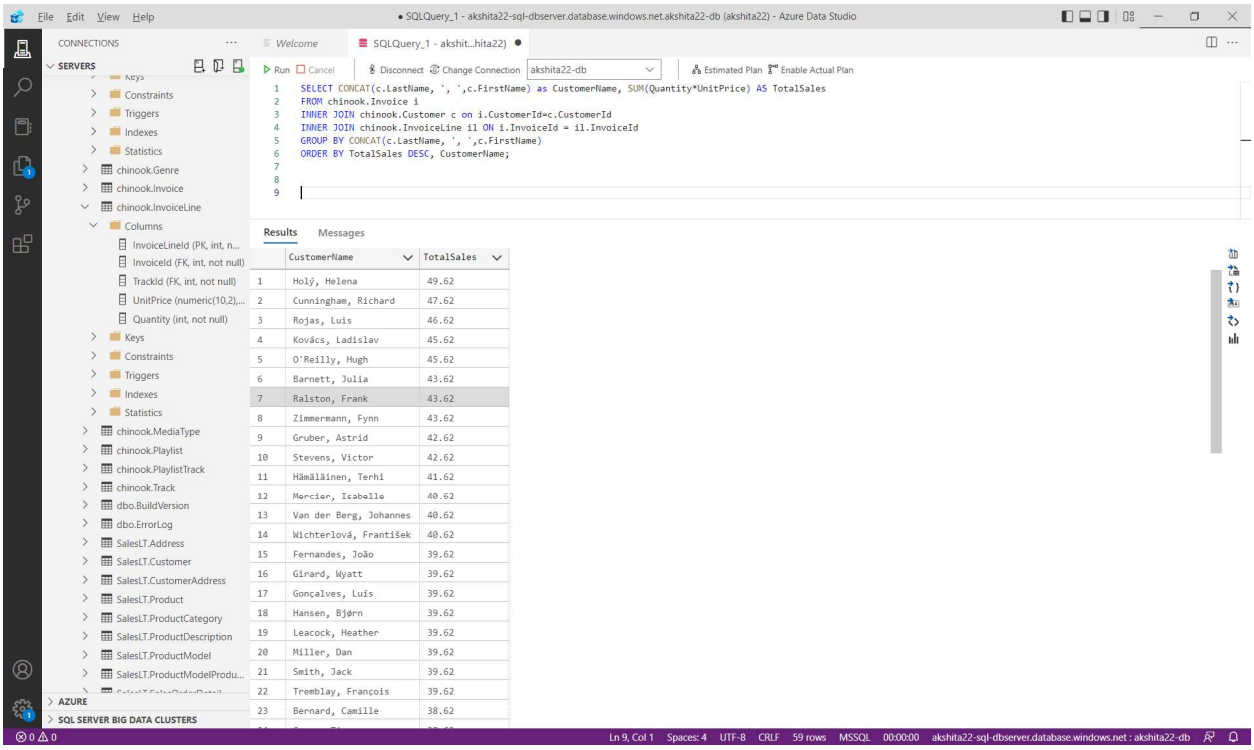
8. Total tracks bought and total revenues

```
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
```



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;
```



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
```