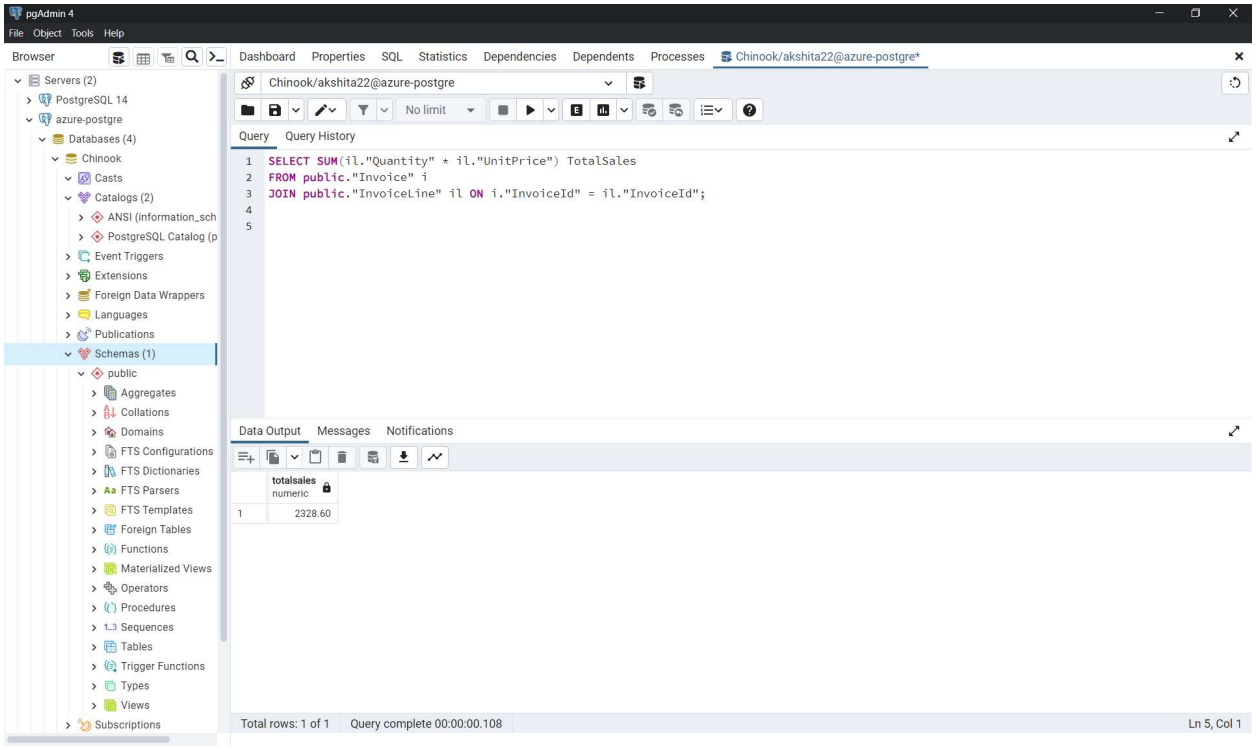
POSTGRE QUERIES

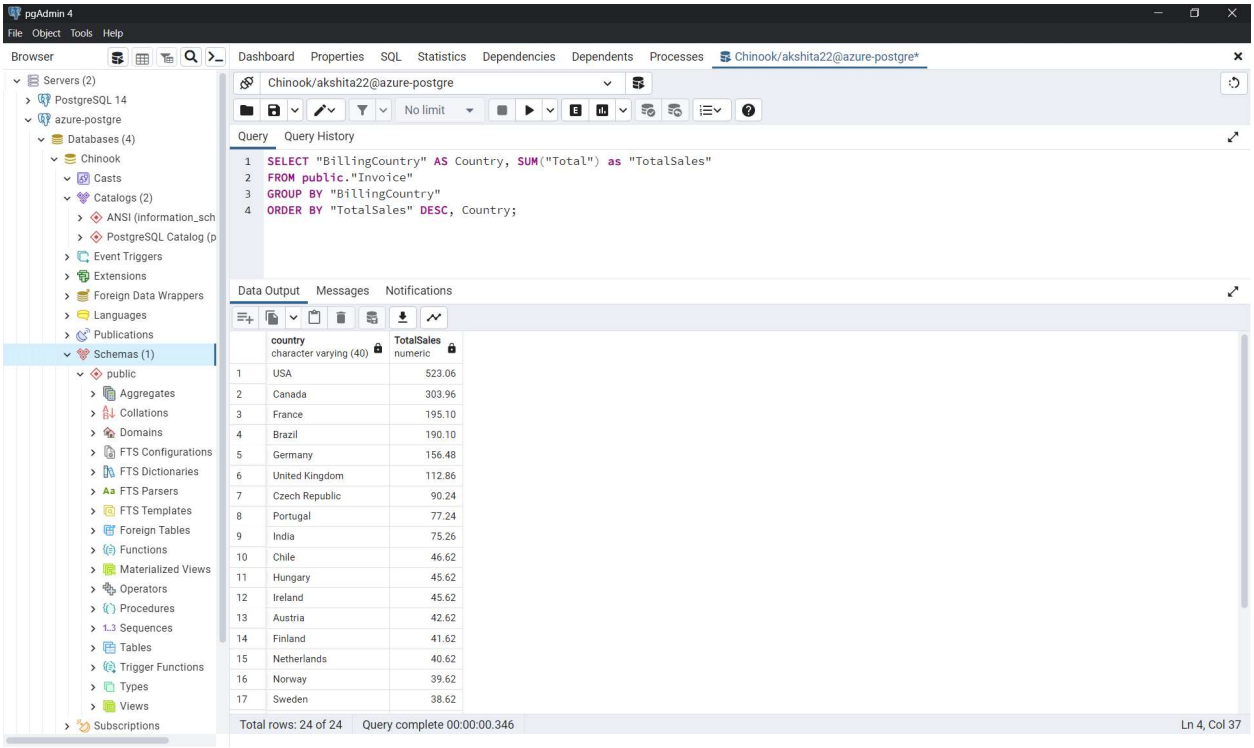
1. Total Sales

```
SELECT SUM(il."Quantity" * il."UnitPrice") TotalSales
FROM public."Invoice" i
JOIN public."InvoiceLine" il ON i."InvoiceId" = il."InvoiceId";
```



2. Total Sales by country- ranked

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



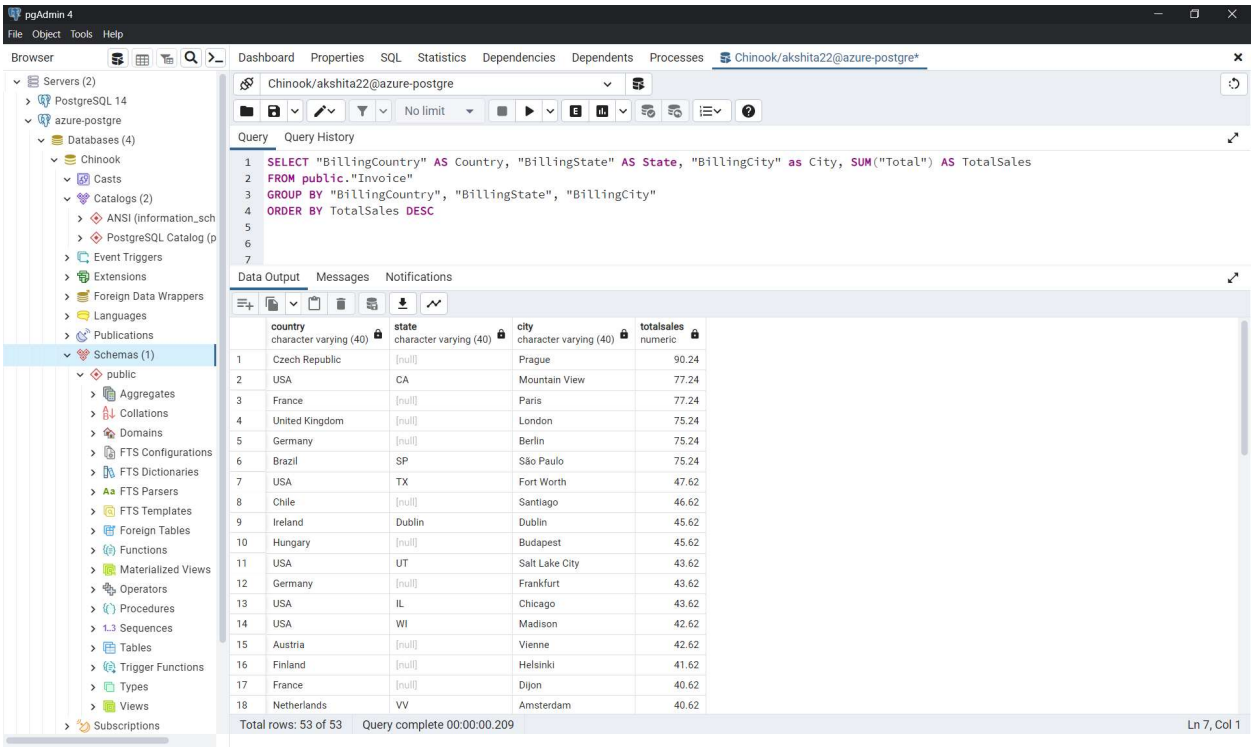
3. Total Sales by country, state, city

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

FROM public."Invoice"

GROUP BY "BillingCountry", "BillingState", "BillingCity"

ORDER BY TotalSales DESC



4. Total sales by customer- ranked

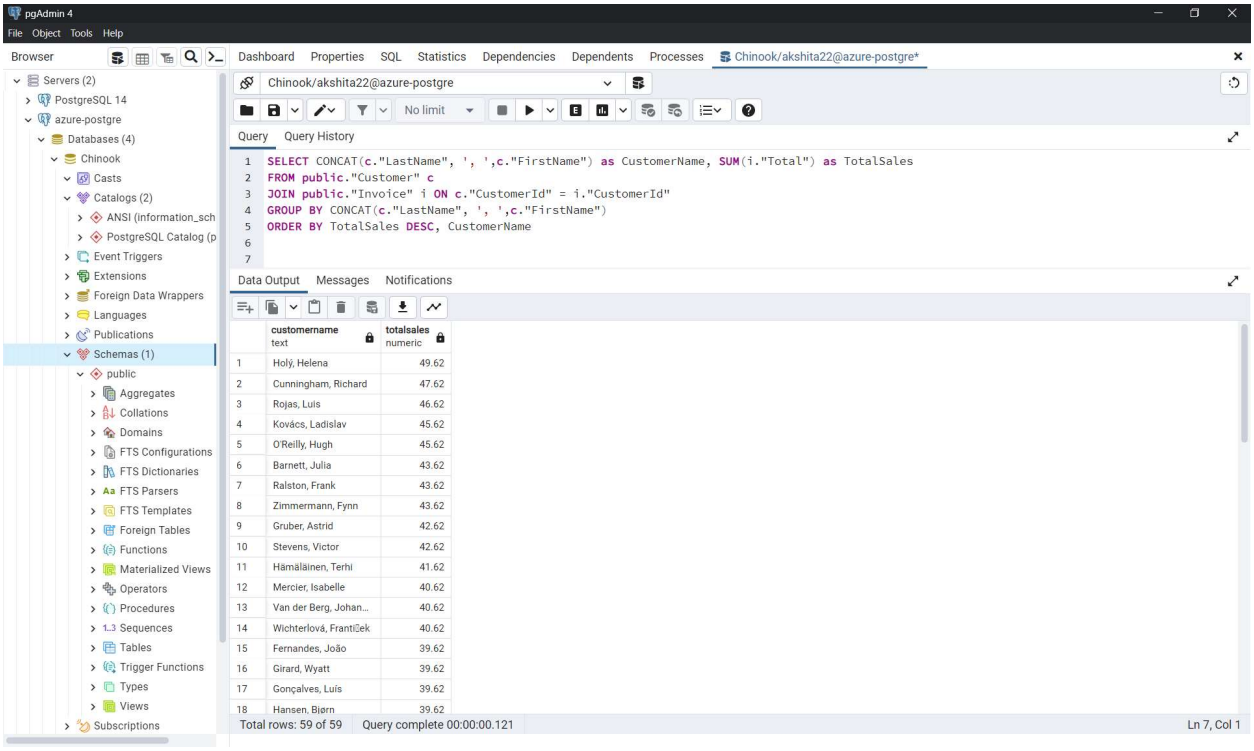
SELECT CONCAT(c."LastName", ', ',c."FirstName") as CustomerName, SUM(i."Total") as TotalSales

FROM public."Customer" c

JOIN public."Invoice" i ON c."CustomerId" = i."CustomerId"

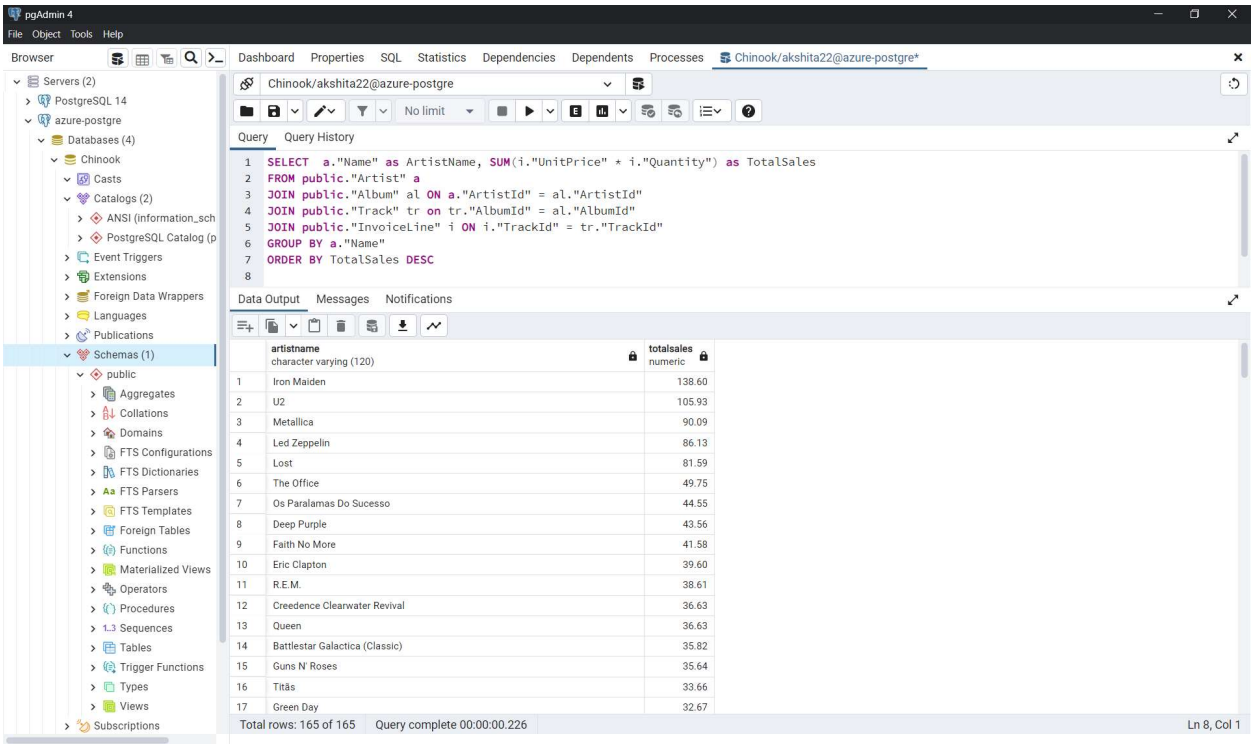
GROUP BY CONCAT(c."LastName", ', ',c."FirstName")

ORDER BY TotalSales DESC, CustomerName



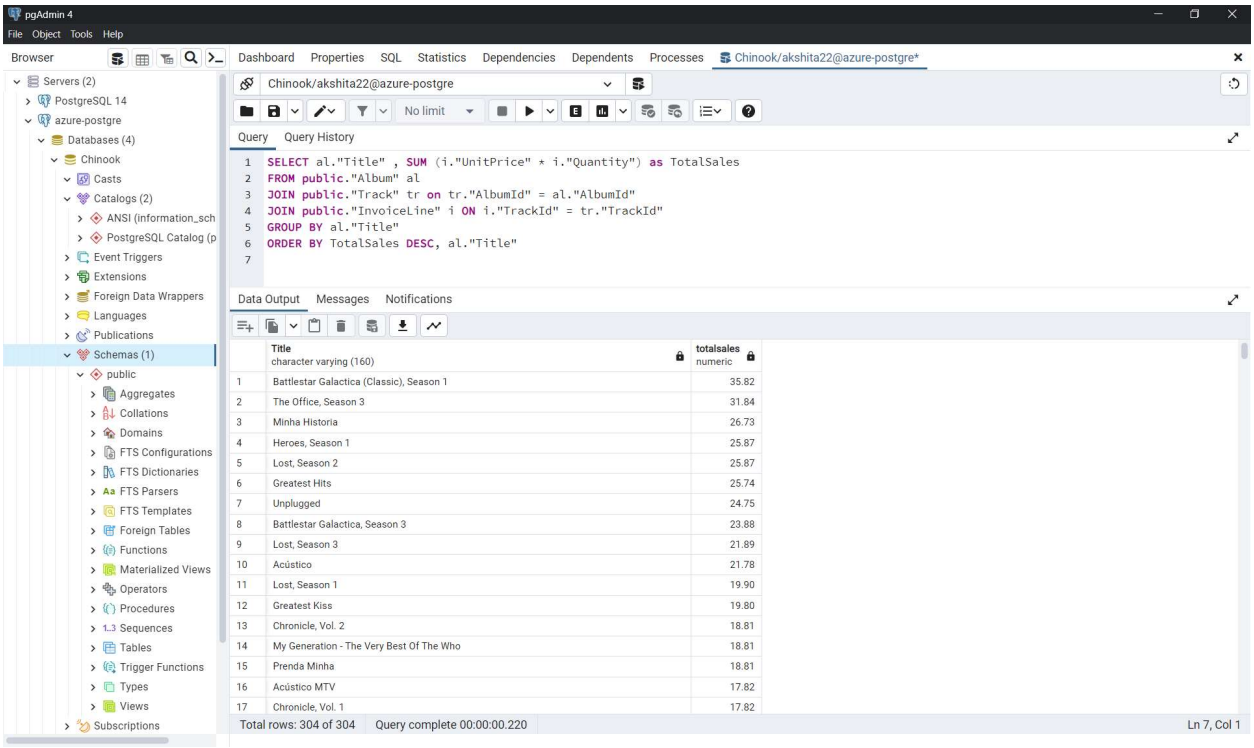
5. **Total sales by artist- ranked**

```
SELECT  a."Name" as ArtistName, SUM(i."UnitPrice" * i."Quantity") as TotalSales
FROM public."Artist" a
JOIN public."Album" al ON a."ArtistId" = al."ArtistId"
JOIN public."Track" tr on tr."AlbumId" = al."AlbumId"
JOIN public."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 public."Album" al
JOIN public."Track" tr on tr."AlbumId" = al."AlbumId"
JOIN public."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 public."Employee" e

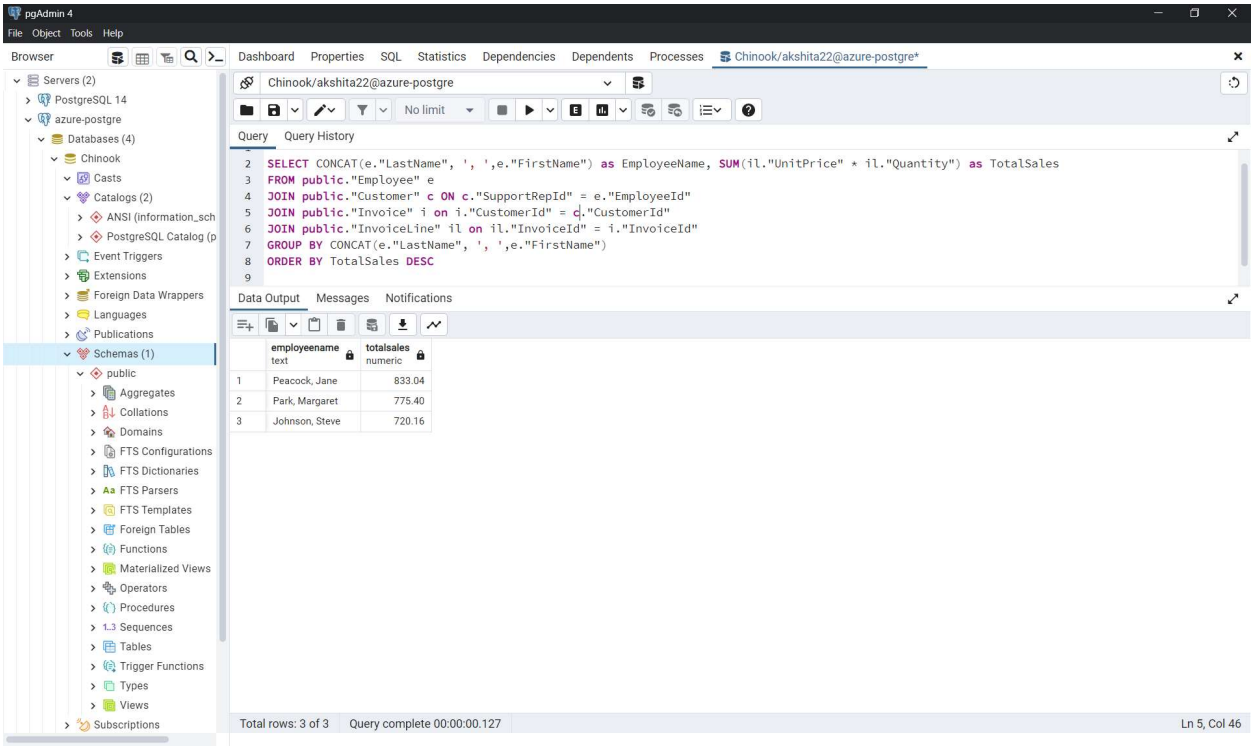
JOIN public."Customer" c ON c."SupportRepId" = e."EmployeeId"

JOIN public."Invoice" i on i."CustomerId" = c."CustomerId"

JOIN public."InvoiceLine" il on il."InvoiceId" = i."InvoiceId"

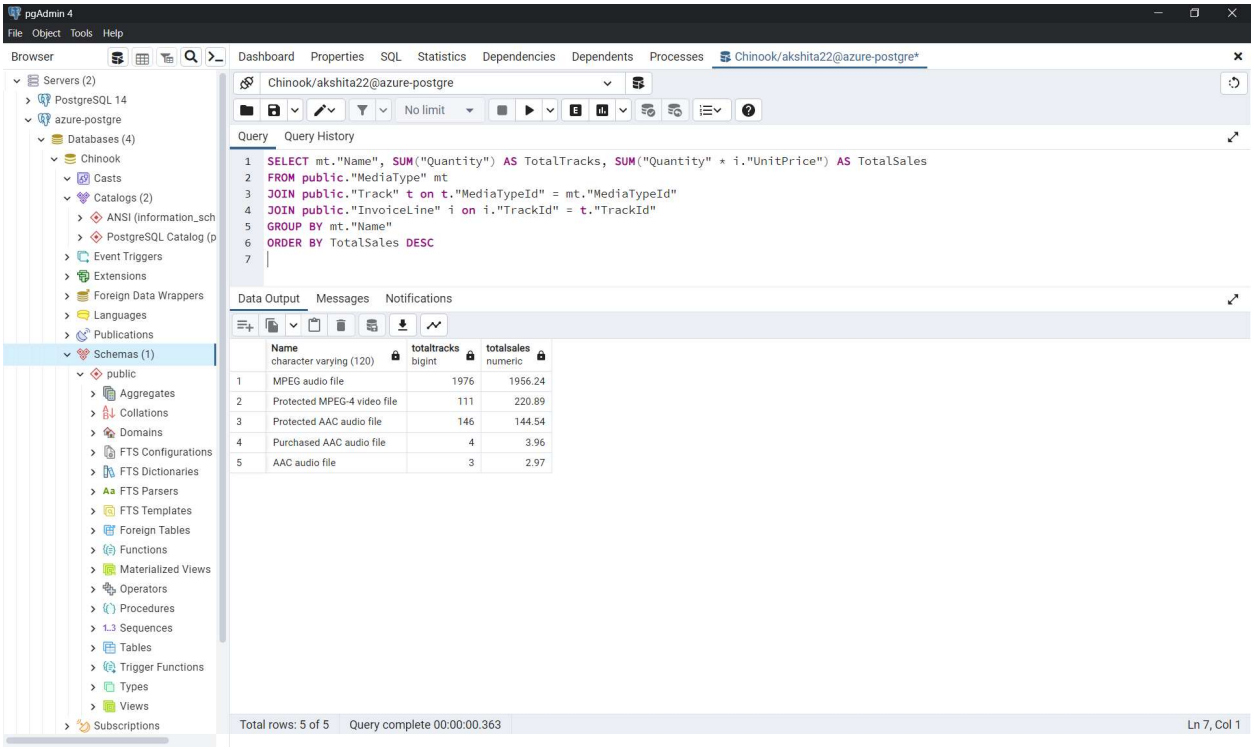
GROUP BY CONCAT(e."LastName", ', ',e."FirstName")

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 public."MediaType" mt
JOIN public."Track" t on t."MediaTypeId" = mt."MediaTypeId"
JOIN public."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

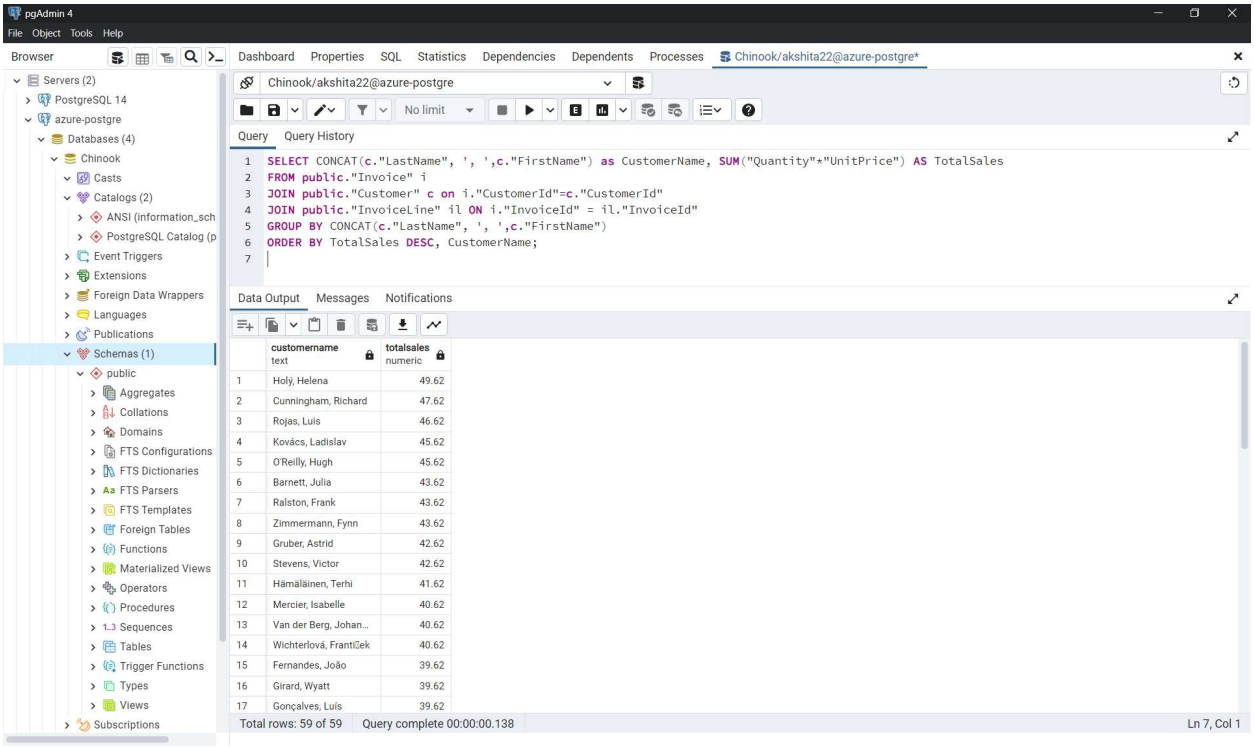
FROM public."Invoice" i

JOIN public."Customer" c on i."CustomerId"=c."CustomerId"

JOIN public."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 public."Invoice" i
JOIN public."InvoiceLine" il ON il."InvoiceId" = i."InvoiceId"
JOIN public."Track" t on t."TrackId" = il."TrackId"
JOIN public."Genre" g ON g."GenreId" = t."GenreId"
GROUP BY g."Name"
ORDER BY TotalSales DESC, g."Name"
```