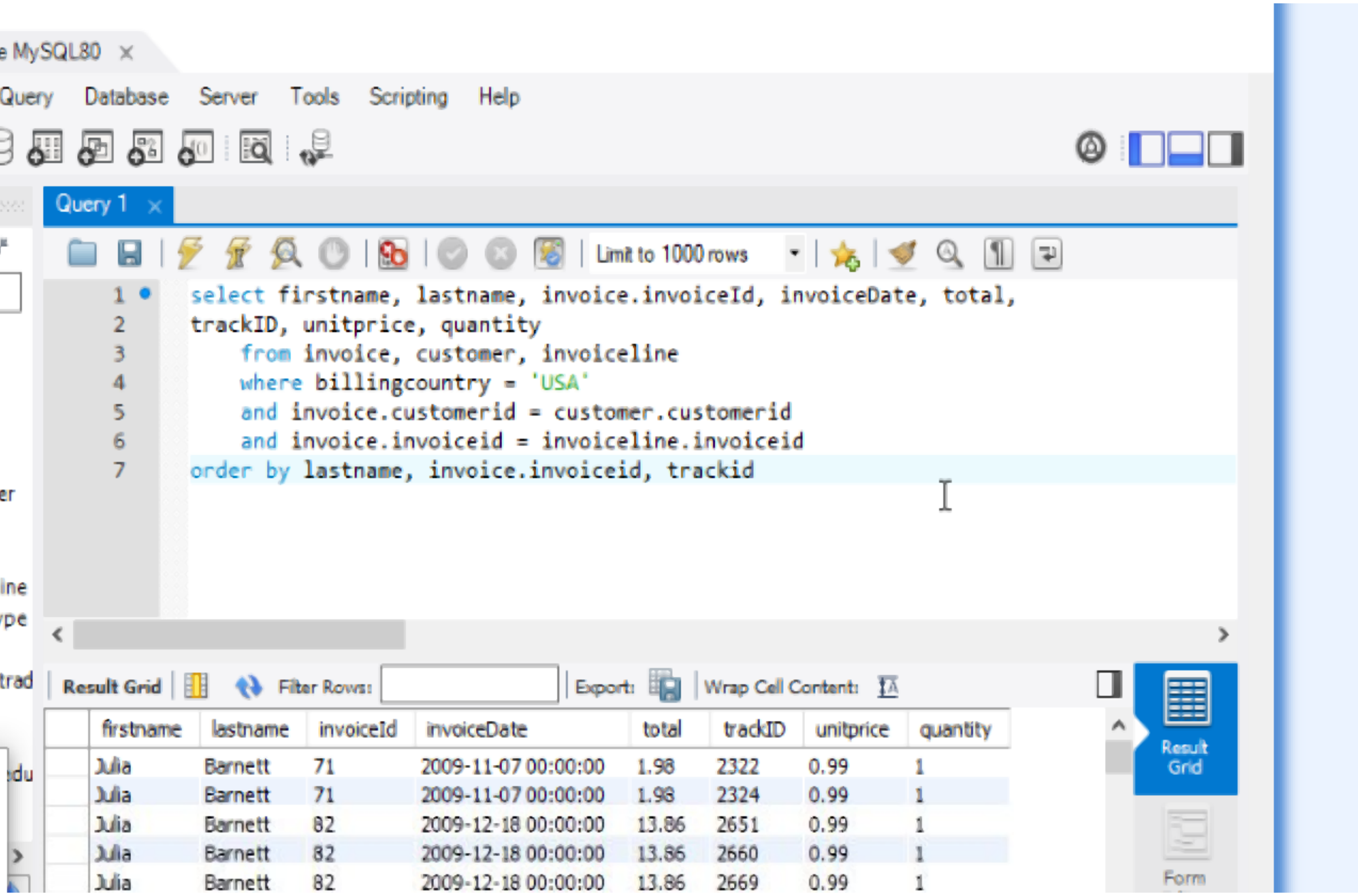
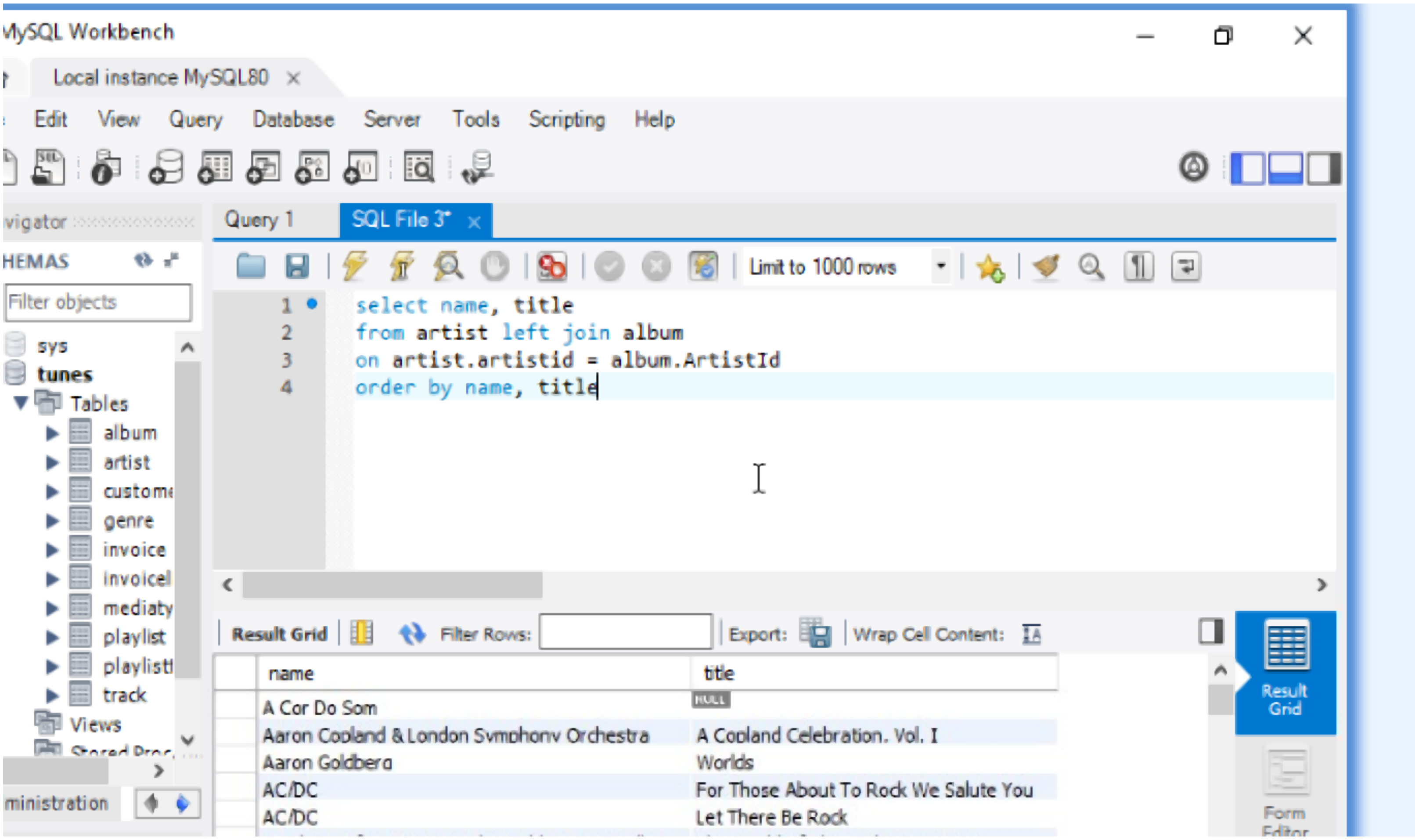
Join with the Where clause



```
select firstname, lastname, invoice.invoiceId, invoiceDate, total,
trackID, unitprice, quantity
    from invoice, customer, invoiceline
    where billingcountry = 'USA'
    and invoice.customerid = customer.customerid
    and invoice.invoiceid = invoiceline.invoiceid
order by lastname, invoice.invoiceid, trackid
```

firstname	lastname	invoiceId	invoiceDate	total	trackID	unitprice	quantity
Julia	Barnett	71	2009-11-07 00:00:00	1.98	2322	0.99	1
Julia	Barnett	71	2009-11-07 00:00:00	1.98	2324	0.99	1
Julia	Barnett	82	2009-12-18 00:00:00	13.86	2651	0.99	1
Julia	Barnett	82	2009-12-18 00:00:00	13.86	2660	0.99	1
Julia	Barnett	82	2009-12-18 00:00:00	13.86	2669	0.99	1

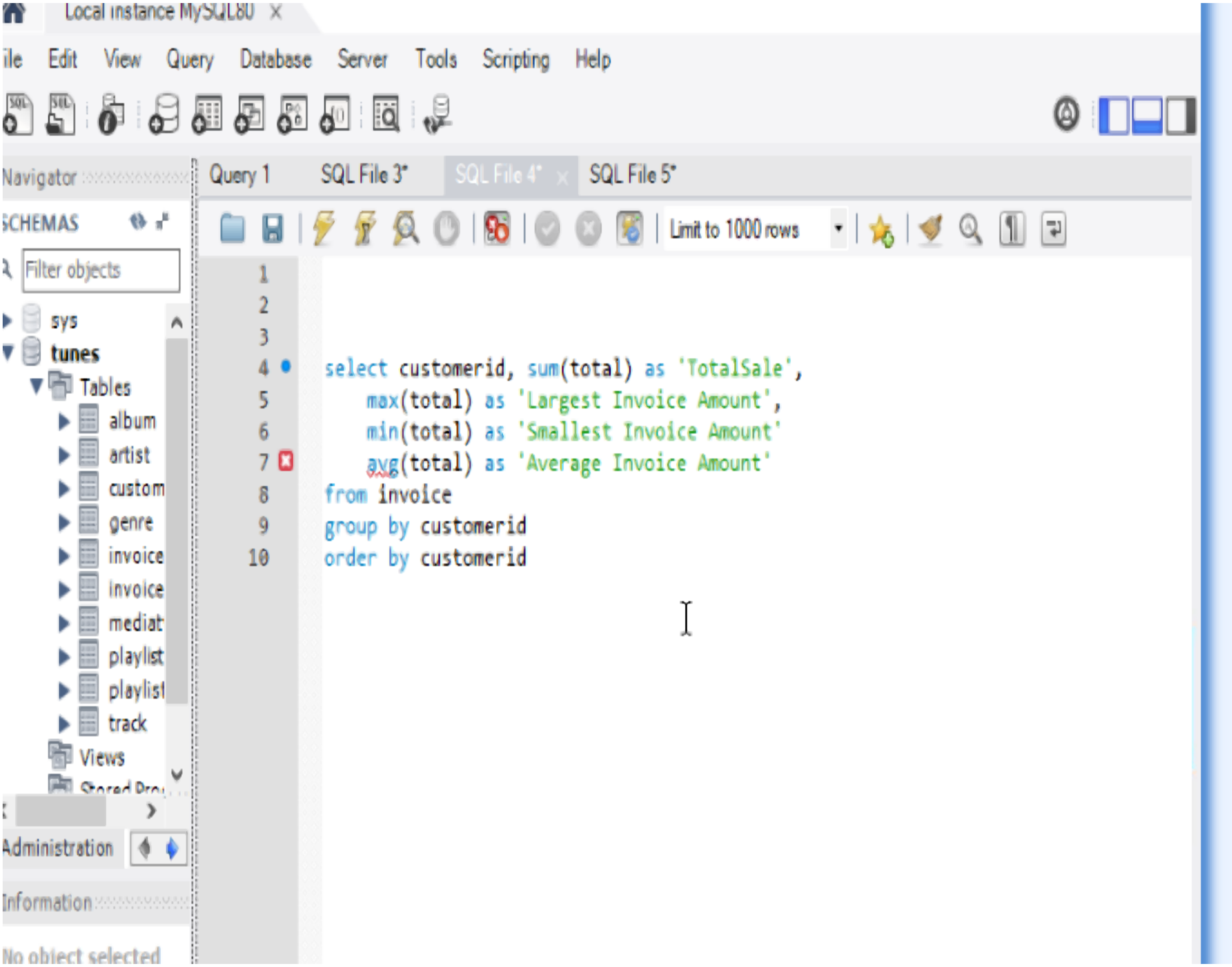
Join with the Join Statement



```
select name, title
from artist left join album
on artist.artistid = album.ArtistId
order by name, title
```

name	title
A Cor Do Som	NULL
Aaron Copland & London Symphony Orchestra	A Copland Celebration, Vol. I
Aaron Goldberg	Worlds
AC/DC	For Those About To Rock We Salute You
AC/DC	Let There Be Rock

Grouping and Summing

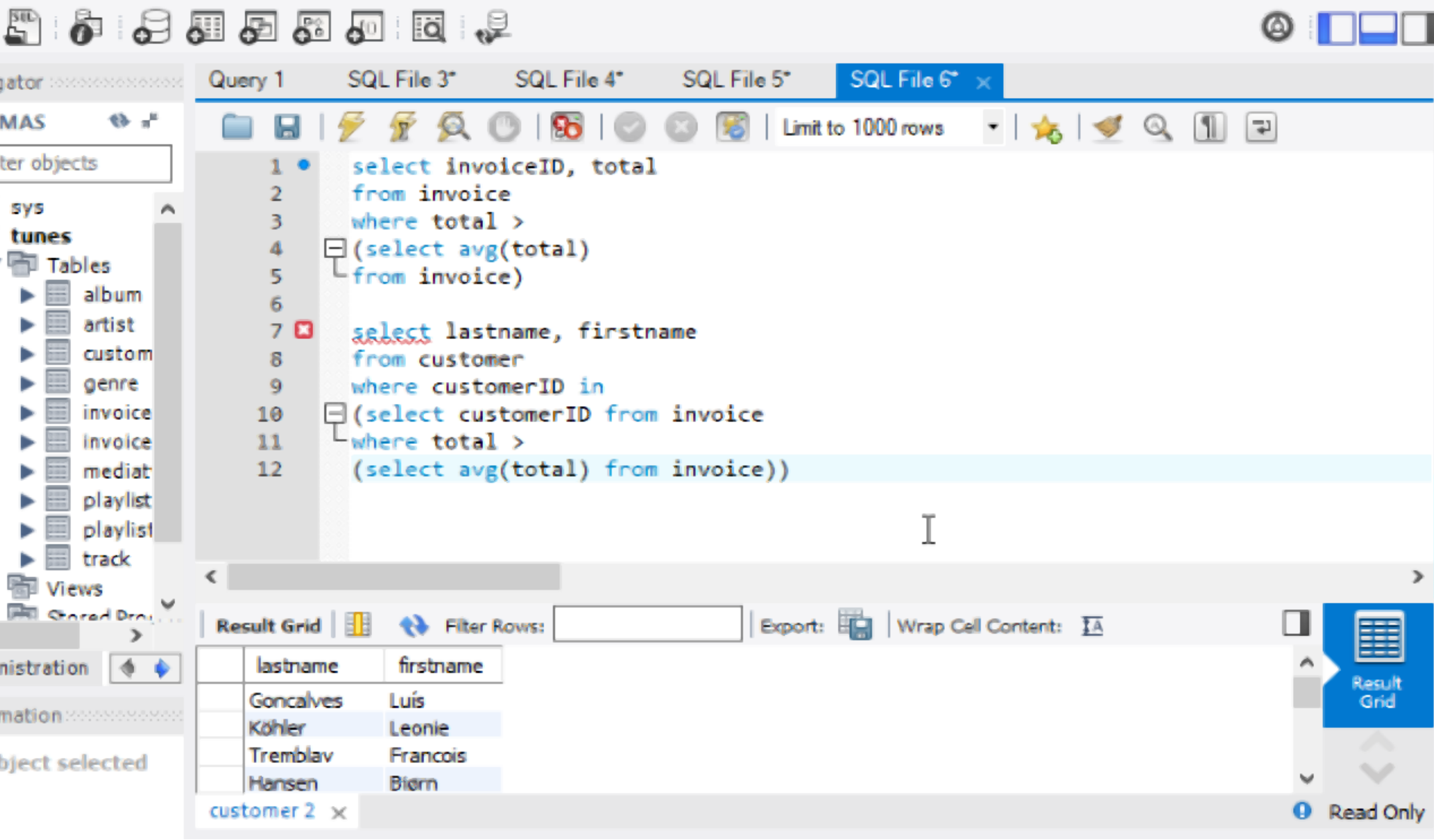


```sql



select customerid, sum(total) as 'TotalSale',
    max(total) as 'Largest Invoice Amount',
    min(total) as 'Smallest Invoice Amount'
    avg(total) as 'Average Invoice Amount'
from invoice
group by customerid
order by customerid
```

Nested queries



```
select invoiceID, total
from invoice
where total >
(select avg(total)
from invoice)

select lastname, firstname
from customer
where customerID in
(select customerID from invoice
where total >
(select avg(total) from invoice))
```

lastname	firstname
Goncalves	Luís
Köhler	Leonie
Tremblav	Francois
Hansen	Biørn