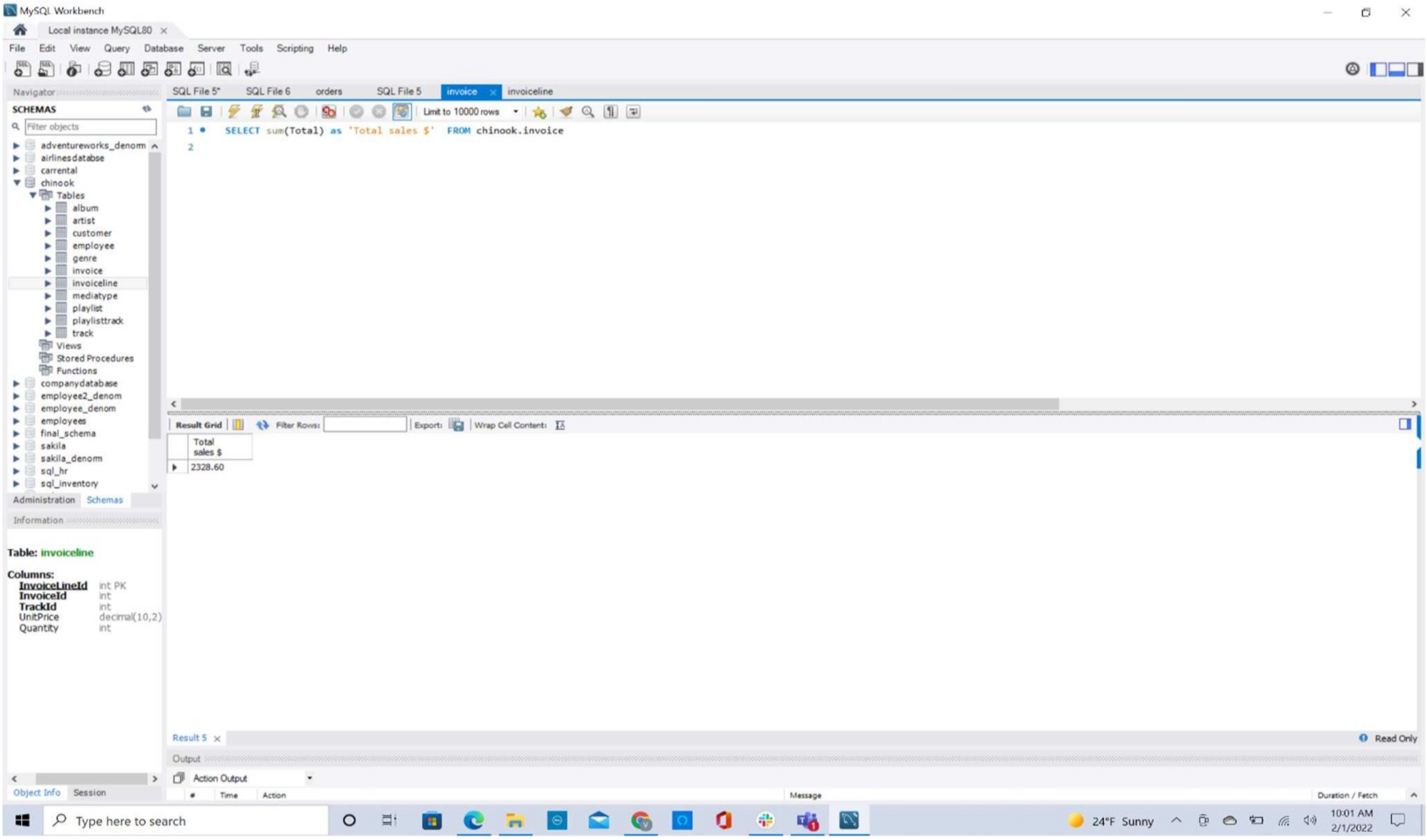
Q) Write SQL Query for Total sales $ via Invoice

1.)SELECT sum(Total) as 'Total sales $' FROM chinook.invoice



```
SELECT sum(Total) as 'Total sales $'  FROM chinook.invoice
```

Total sales $
2328.60

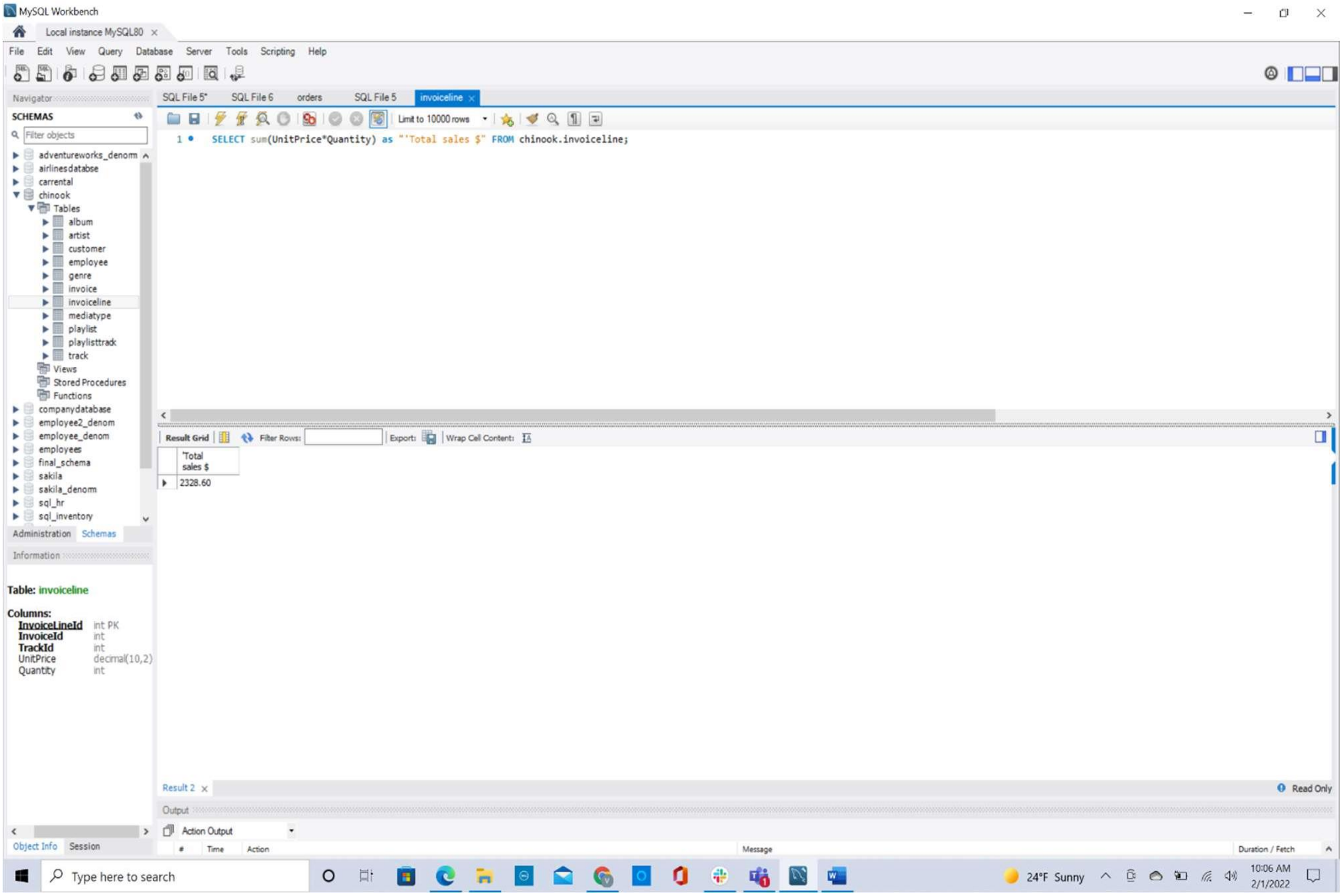
Table: invoiceline

Columns:

InvoiceLineId	int PK
InvoiceId	int
TrackId	int
UnitPrice	decimal(10,2)
Quantity	int

Q) Write SQL Query for Total sales $ via Invoiceline

2.) SELECT sum(UnitPrice*Quantity) as "'Total sales $" FROM chinook.invoiceline;



```
SELECT sum(UnitPrice*Quantity) as "'Total sales $" FROM chinook.invoiceline;
```

'Total sales $
2328.60

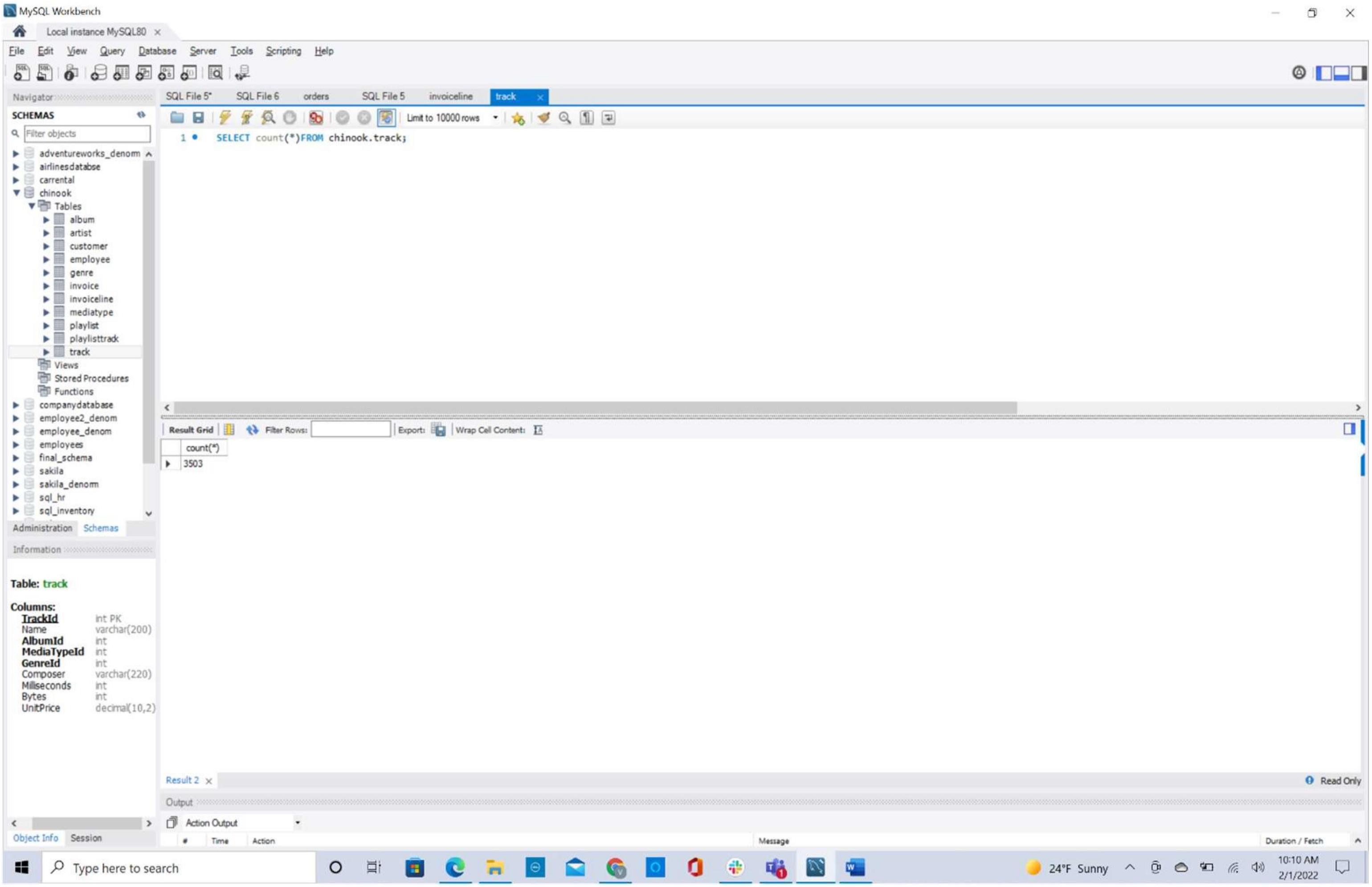
Table: invoiceline

Columns:

InvoiceLineId	int PK
InvoiceId	int
TrackId	int
UnitPrice	decimal(10,2)
Quantity	int

Q) Write SQL Query for Total tracks (songs) sold

3.) SELECT count(*)FROM chinook.track;



```
SELECT count(*)FROM chinook.track;
```

```
count(*)
3503
```

Table: track

Columns:

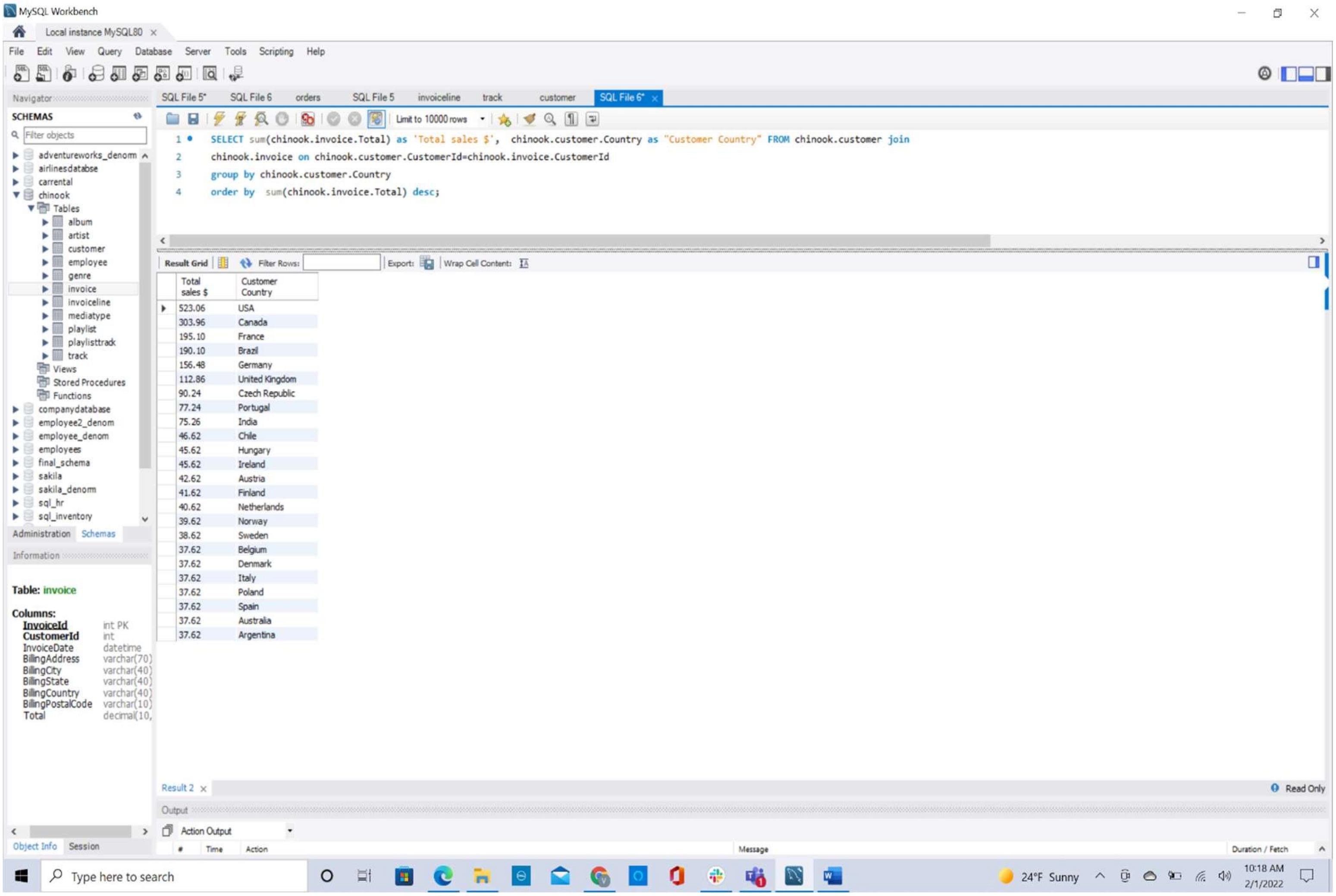
TrackId	int PK
Name	varchar(200)
AlbumId	int
MediaTypeId	int
GenreId	int
Composer	varchar(220)
Milliseconds	int
Bytes	int
UnitPrice	decimal(10,2)

Q) Write SQL Query for Total sales $ by customer's country

4.) SELECT sum(chinook.invoice.Total) as 'Total sales $', chinook.customer.Country as"Customer Country" FROM chinook.customer join chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId

group by chinook.customer.Country

order by sum(chinook.invoice.Total) desc;



```
SELECT sum(chinook.invoice.Total) as 'Total sales $',  chinook.customer.Country as "Customer Country" FROM chinook.customer join
chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId
group by chinook.customer.Country
order by  sum(chinook.invoice.Total) desc;
```

Total sales $	Customer Country
523.06	USA
303.96	Canada
195.10	France
190.10	Brazil
156.48	Germany
112.86	United Kingdom
90.24	Czech Republic
77.24	Portugal
75.26	India
46.62	Chile
45.62	Hungary
45.62	Ireland
42.62	Austria
41.62	Finland
40.62	Netherlands
39.62	Norway
38.62	Sweden
37.62	Belgium
37.62	Denmark
37.62	Italy
37.62	Poland
37.62	Spain
37.62	Australia
37.62	Argentina

Table: invoice

Columns:

InvoiceId	int PK
CustomerId	int
InvoiceDate	datetime
BillingAddress	varchar(70)
BillingCity	varchar(40)
BillingState	varchar(40)
BillingCountry	varchar(40)
BillingPostalCode	varchar(10)
Total	decimal(10,

Q) Write SQL Query for Total sales $ by customer's geo (country, state & city)

```
5.) SELECT  chinook.customer.Country as "Customer Country",chinook.customer.State as"Customer State" ,

chinook.customer.city as "Customer City"  ,sum(chinook.invoice.Total) as 'Total sales $'
FROM chinook.customer join

chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId

group by chinook.customer.Country, chinook.customer.State, chinook.customer.City order by

chinook.customer.Country, chinook.customer.State, chinook.customer.City ;
```

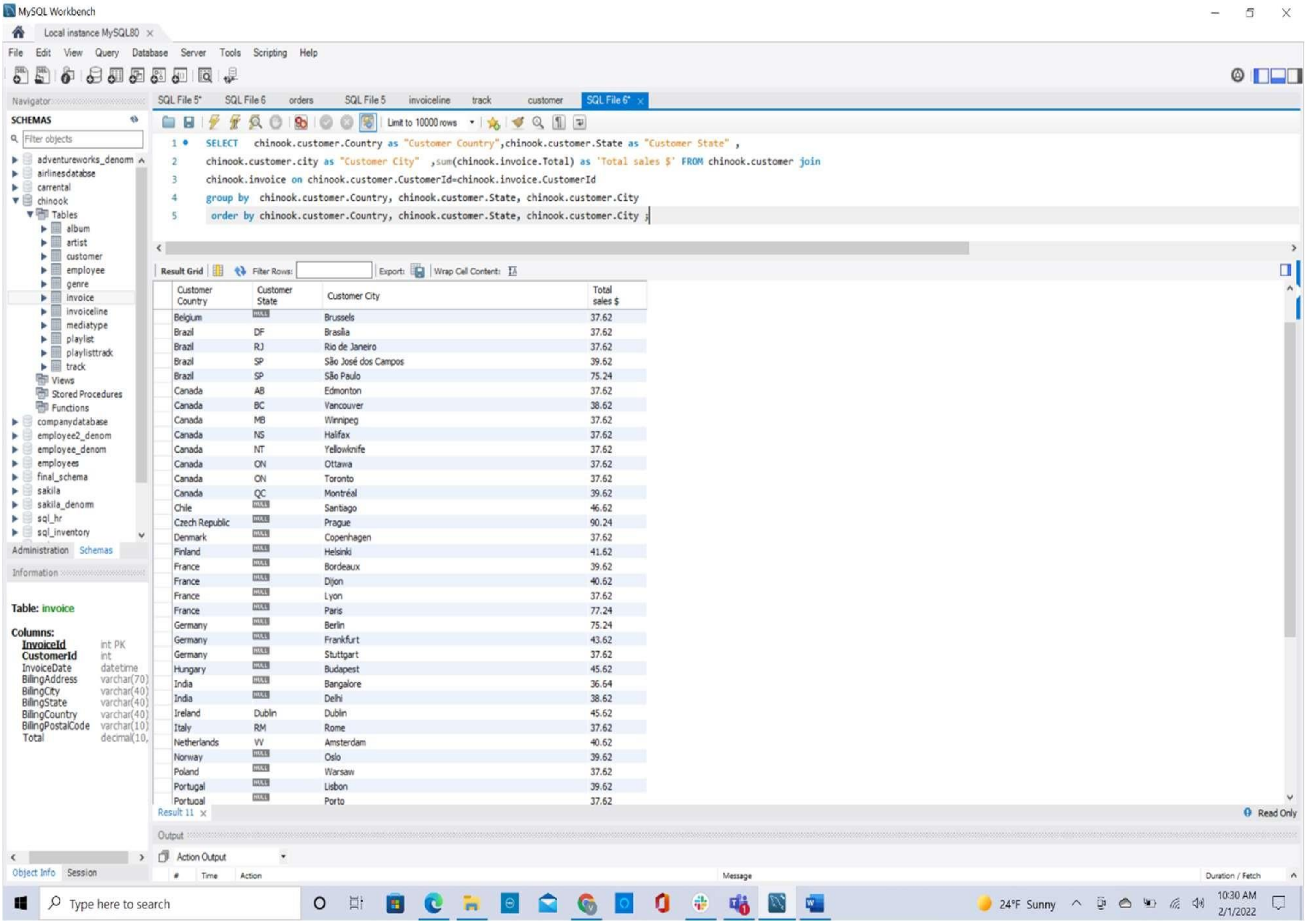


Table: invoice

Columns:

InvoiceId	int PK
CustomerId	int
InvoiceDate	datetime
BillingAddress	varchar(70)
BillingCity	varchar(40)
BillingState	varchar(40)
BillingCountry	varchar(40)
BillingPostalCode	varchar(10)
Total	decimal(10,

```
SELECT   chinook.customer.Country as "Customer Country",chinook.customer.State as "Customer State" ,
chinook.customer.city as "Customer City"  ,sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.customer join
chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId
group by  chinook.customer.Country, chinook.customer.State, chinook.customer.City
 order by chinook.customer.Country, chinook.customer.State, chinook.customer.City ;
```

Customer Country	Customer State	Customer City	Total sales $
Belgium	NULL	Brussels	37.62
Brazil	DF	Brasília	37.62
Brazil	RJ	Rio de Janeiro	37.62
Brazil	SP	São José dos Campos	39.62
Brazil	SP	São Paulo	75.24
Canada	AB	Edmonton	37.62
Canada	BC	Vancouver	38.62
Canada	MB	Winnipeg	37.62
Canada	NS	Halifax	37.62
Canada	NT	Yellowknife	37.62
Canada	ON	Ottawa	37.62
Canada	ON	Toronto	37.62
Canada	QC	Montréal	39.62
Chile	NULL	Santiago	46.62
Czech Republic	NULL	Prague	90.24
Denmark	NULL	Copenhagen	37.62
Finland	NULL	Helsinki	41.62
France	NULL	Bordeaux	39.62
France	NULL	Dijon	40.62
France	NULL	Lyon	37.62
France	NULL	Paris	77.24
Germany	NULL	Berlin	75.24
Germany	NULL	Frankfurt	43.62
Germany	NULL	Stuttgart	37.62
Hungary	NULL	Budapest	45.62
India	NULL	Bangalore	36.64
India	NULL	Delhi	38.62
Ireland	Dublin	Dublin	45.62
Italy	RM	Rome	37.62
Netherlands	VV	Amsterdam	40.62
Norway	NULL	Oslo	39.62
Poland	NULL	Warsaw	37.62
Portugal	NULL	Lisbon	39.62
Portugal	NULL	Porto	37.62

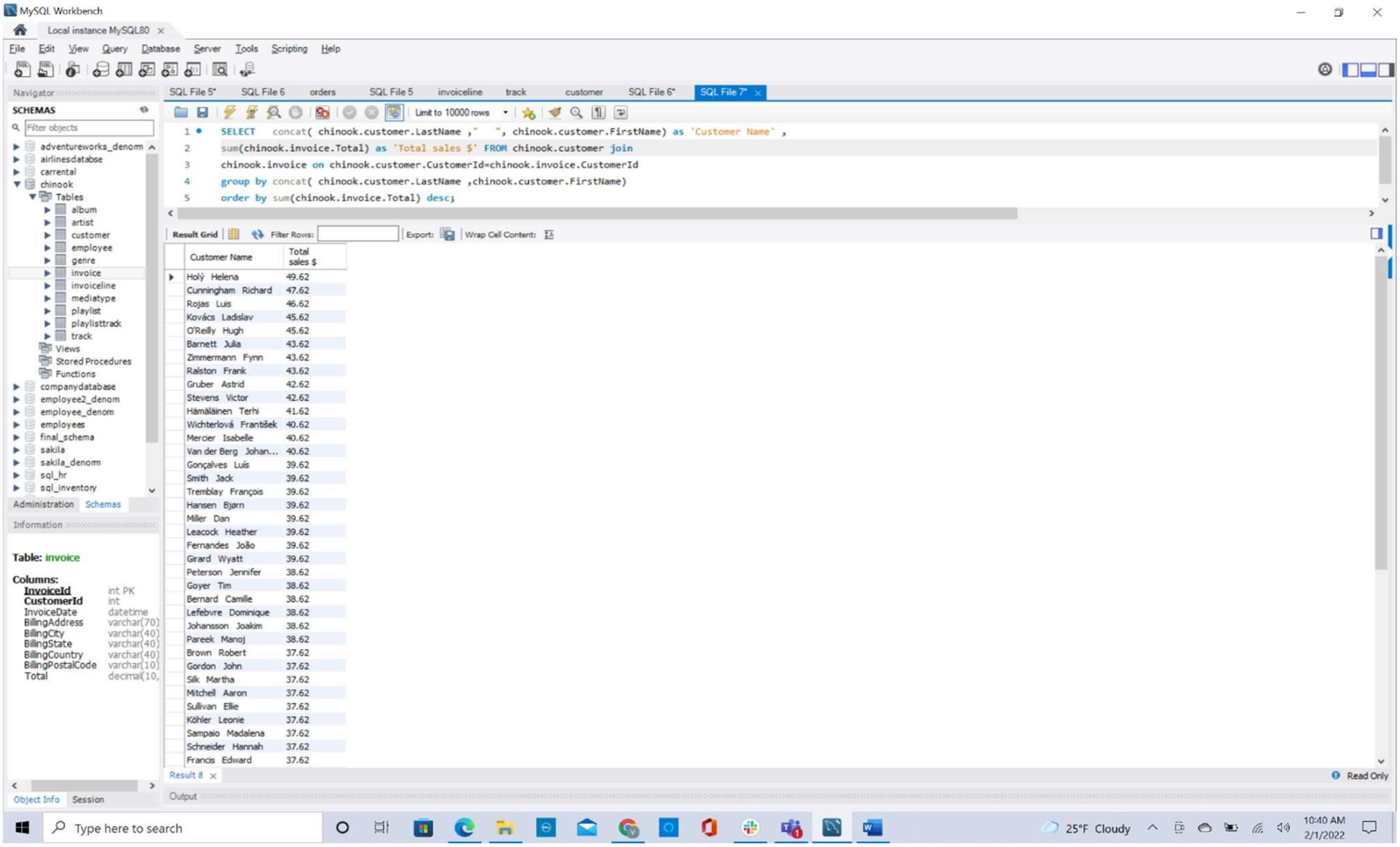
#	Time	Action	Message	Duration / Fetch

Q) Write SQL Query for Total sales $ by customer (a person with last name & first name)

6.) SELECT concat(chinook.customer.LastName ," ", chinook.customer.FirstName) as'Customer Name' , sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.customer join chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId

group by concat(chinook.customer.LastName ,chinook.customer.FirstName)

order by sum(chinook.invoice.Total) desc;



```
SELECT   concat( chinook.customer.LastName ,"   ", chinook.customer.FirstName) as 'Customer Name' ,
sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.customer join
chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId
group by concat( chinook.customer.LastName ,chinook.customer.FirstName)
order by sum(chinook.invoice.Total) desc;
```

Customer Name	Total sales $
Holý Helena	49.62
Cunningham Richard	47.62
Rojas Luis	46.62
Kovács Ladislav	45.62
O'Reilly Hugh	45.62
Barnett Julia	43.62
Zimmermann Fynn	43.62
Ralston Frank	43.62
Gruber Astrid	42.62
Stevens Victor	42.62
Hämäläinen Terhi	41.62
Wichterlová František	40.62
Mercier Isabelle	40.62
Van der Berg Johan...	40.62
Gonçalves Luís	39.62
Smith Jack	39.62
Tremblay François	39.62
Hansen Bjørn	39.62
Miller Dan	39.62
Leacock Heather	39.62
Fernandes João	39.62
Girard Wyatt	39.62
Peterson Jennifer	38.62
Goyer Tim	38.62
Bernard Camille	38.62
Lefebvre Dominique	38.62
Johansson Joakim	38.62
Pareek Manoj	38.62
Brown Robert	37.62
Gordon John	37.62
Silk Martha	37.62
Mitchell Aaron	37.62
Sullivan Ellie	37.62
Köhler Leonie	37.62
Sampaio Madalena	37.62
Schneider Hannah	37.62
Francis Edward	37.62

Table: invoice

Columns:

InvoiceId	int PK
CustomerId	int
InvoiceDate	datetime
BillingAddress	varchar(70)
BillingCity	varchar(40)
BillingState	varchar(40)
BillingCountry	varchar(40)
BillingPostalCode	varchar(10)
Total	decimal(10,

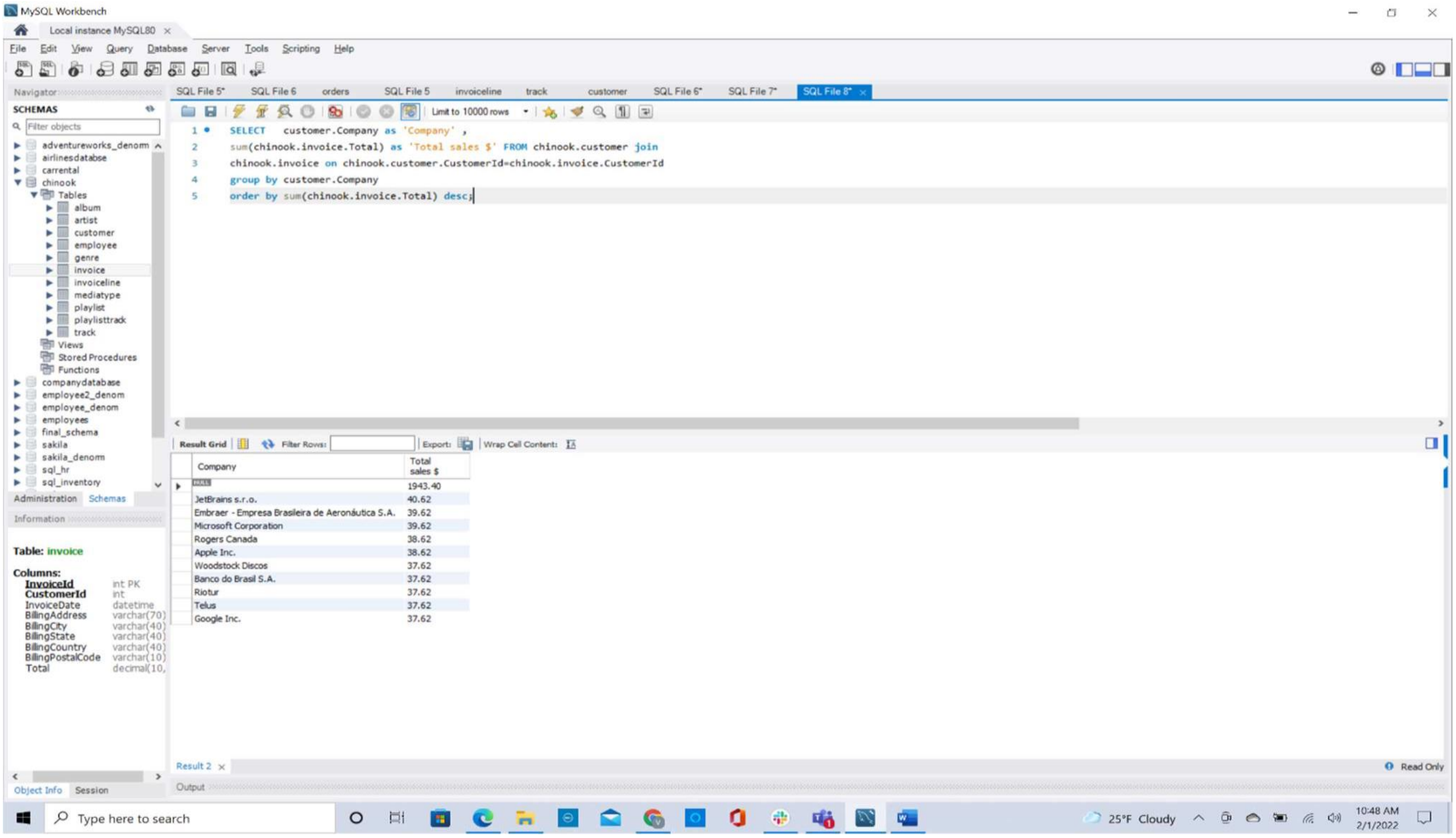
Q) Write SQL Query for Total sales $ by company – ranked (sorted largest to smallest)

7.) SELECT   customer.Company as 'Company' , sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.customer

Join chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId

group by customer.Company

order by sum(chinook.invoice.Total) desc;



```
SELECT   customer.Company as 'Company' ,
sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.customer join
chinook.invoice on chinook.customer.CustomerId=chinook.invoice.CustomerId
group by customer.Company
order by sum(chinook.invoice.Total) desc;
```

Company	Total sales $
NULL	1943.40
JetBrains s.r.o.	40.62
Embraer - Empresa Brasileira de Aeronáutica S.A.	39.62
Microsoft Corporation	39.62
Rogers Canada	38.62
Apple Inc.	38.62
Woodstock Discos	37.62
Banco do Brasil S.A.	37.62
Riotur	37.62
Telus	37.62
Google Inc.	37.62

Table: invoice

Columns:

InvoiceId	int PK
CustomerId	int
InvoiceDate	datetime
BillingAddress	varchar(70)
BillingCity	varchar(40)
BillingState	varchar(40)
BillingCountry	varchar(40)
BillingPostalCode	varchar(10)
Total	decimal(10,

Q) Write SQL Query for Total sales $ by artist – ranked (sorted largest to smallest)

8.) SELECT chinook.artist.Name as 'Artist Name' ,

sum(chinook.invoice.Total) as 'Total sales $' FROM

chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId = chinook.invoiceline.InvoiceId

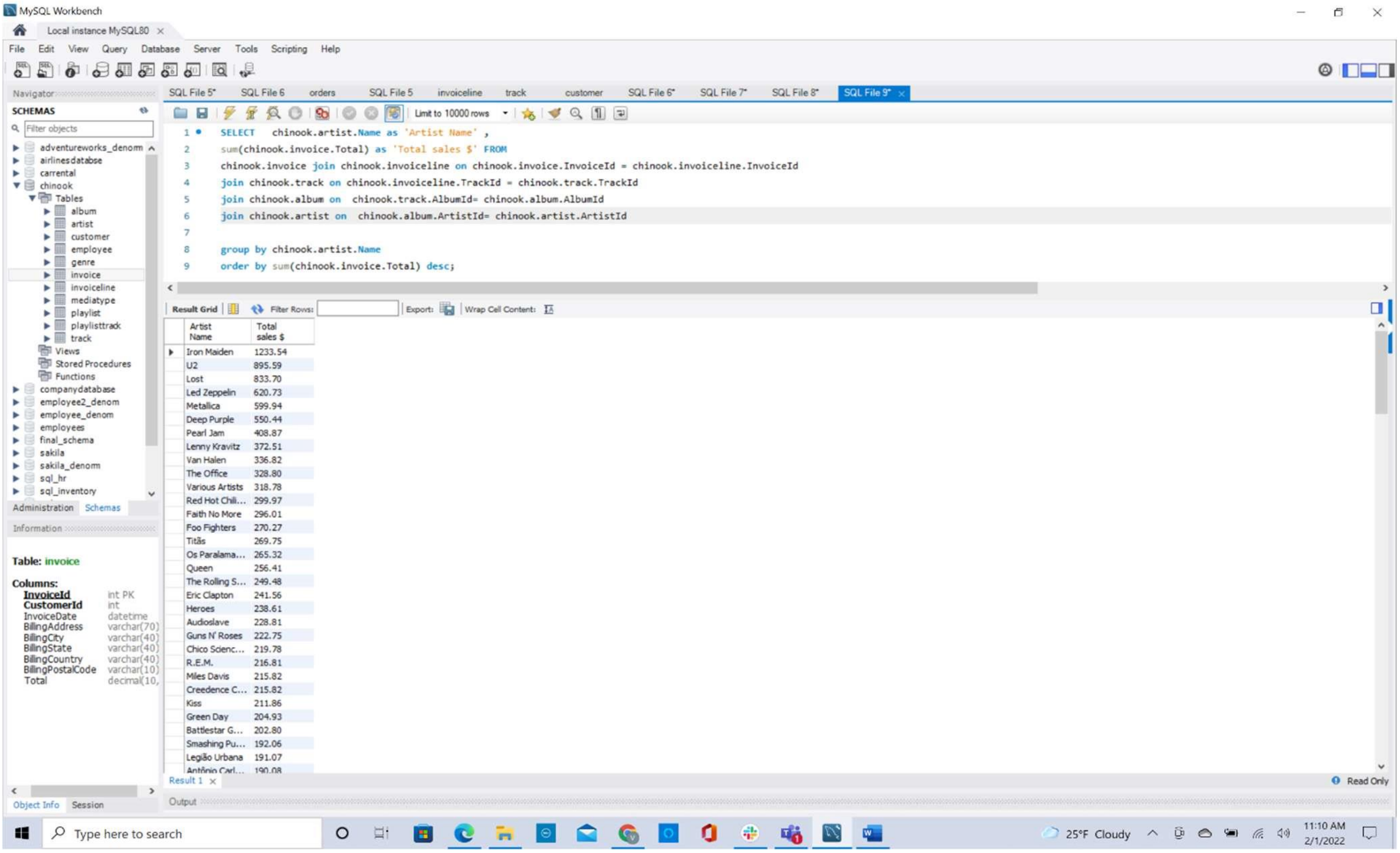
join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackIdjoin

chinook.album on chinook.track.AlbumId= chinook.album.AlbumId join

chinook.artist on chinook.album.ArtistId= chinook.artist.ArtistId

group by chinook.artist.Name

order by sum(chinook.invoice.Total) desc;



```
SELECT   chinook.artist.Name as 'Artist Name' ,
sum(chinook.invoice.Total) as 'Total sales $' FROM
chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId = chinook.invoiceline.InvoiceId
join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackId
join chinook.album on  chinook.track.AlbumId= chinook.album.AlbumId
join chinook.artist on  chinook.album.ArtistId= chinook.artist.ArtistId

group by chinook.artist.Name
order by sum(chinook.invoice.Total) desc;
```

Artist Name	Total sales $
Iron Maiden	1233.54
U2	895.59
Lost	833.70
Led Zeppelin	620.73
Metallica	599.94
Deep Purple	550.44
Pearl Jam	408.87
Lenny Kravitz	372.51
Van Halen	336.82
The Office	328.80
Various Artists	318.78
Red Hot Chili...	299.97
Faith No More	296.01
Foo Fighters	270.27
Titãs	269.75
Os Paralama...	265.32
Queen	256.41
The Rolling S...	249.48
Eric Clapton	241.56
Heroes	238.61
Audioslave	228.81
Guns N' Roses	222.75
Chico Scienc...	219.78
R.E.M.	216.81
Miles Davis	215.82
Creedence C...	215.82
Kiss	211.86
Green Day	204.93
Battlestar G...	202.80
Smashing Pu...	192.06
Legião Urbana	191.07
Antônio Carl...	190.08

Q) Write SQL Query for Total sales $ by album – ranked (sorted largest to smallest)

9.) SELECT chinook.album.Title as 'Album' ,

sum(chinook.invoice.Total) as 'Total sales $' FROM

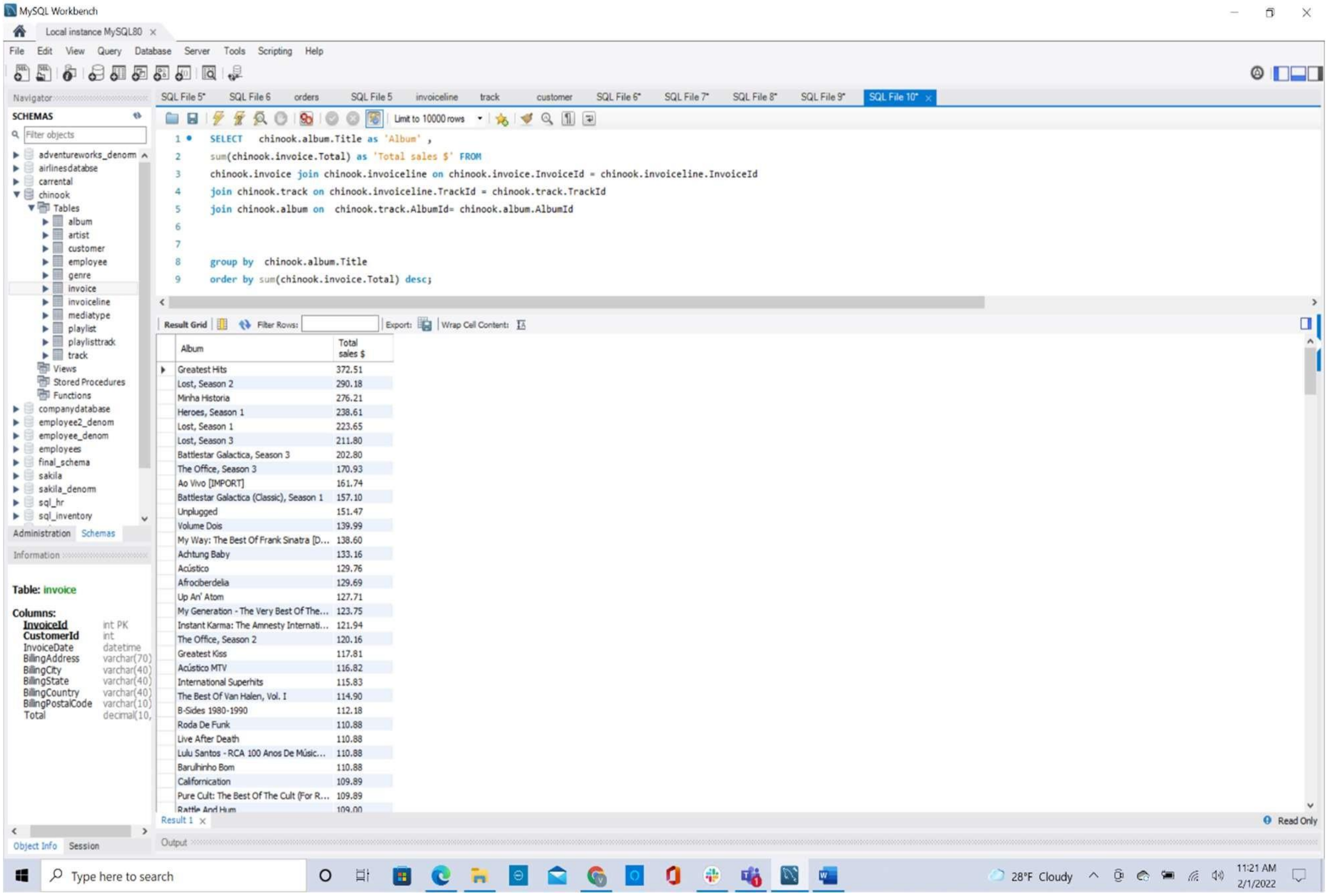
chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId = chinook.invoiceline.InvoiceId

join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackIdjoin

chinook.album on chinook.track.AlbumId= chinook.album.AlbumId group by

chinook.album.Title

order by sum(chinook.invoice.Total) desc;



```
SELECT   chinook.album.Title as 'Album' ,
sum(chinook.invoice.Total) as 'Total sales $' FROM
chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId = chinook.invoiceline.InvoiceId
join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackId
join chinook.album on  chinook.track.AlbumId= chinook.album.AlbumId


group by  chinook.album.Title
order by sum(chinook.invoice.Total) desc;
```

Album	Total sales $
Greatest Hits	372.51
Lost, Season 2	290.18
Minha Historia	276.21
Heroes, Season 1	238.61
Lost, Season 1	223.65
Lost, Season 3	211.80
Battlestar Galactica, Season 3	202.80
The Office, Season 3	170.93
Ao Vivo [IMPORT]	161.74
Battlestar Galactica (Classic), Season 1	157.10
Unplugged	151.47
Volume Dois	139.99
My Way: The Best Of Frank Sinatra [D...	138.60
Achtung Baby	133.16
Acústico	129.76
Afrociberdelia	129.69
Up An' Atom	127.71
My Generation - The Very Best Of The...	123.75
Instant Karma: The Amnesty Internati...	121.94
The Office, Season 2	120.16
Greatest Kiss	117.81
Acústico MTV	116.82
International Superhits	115.83
The Best Of Van Halen, Vol. I	114.90
B-Sides 1980-1990	112.18
Roda De Funk	110.88
Live After Death	110.88
Lulu Santos - RCA 100 Anos De Músic...	110.88
Barulhinho Bom	110.88
Californication	109.89
Pure Cult: The Best Of The Cult (For R...	109.89
Rattle And Hum	109.00

Table: invoice

Columns:

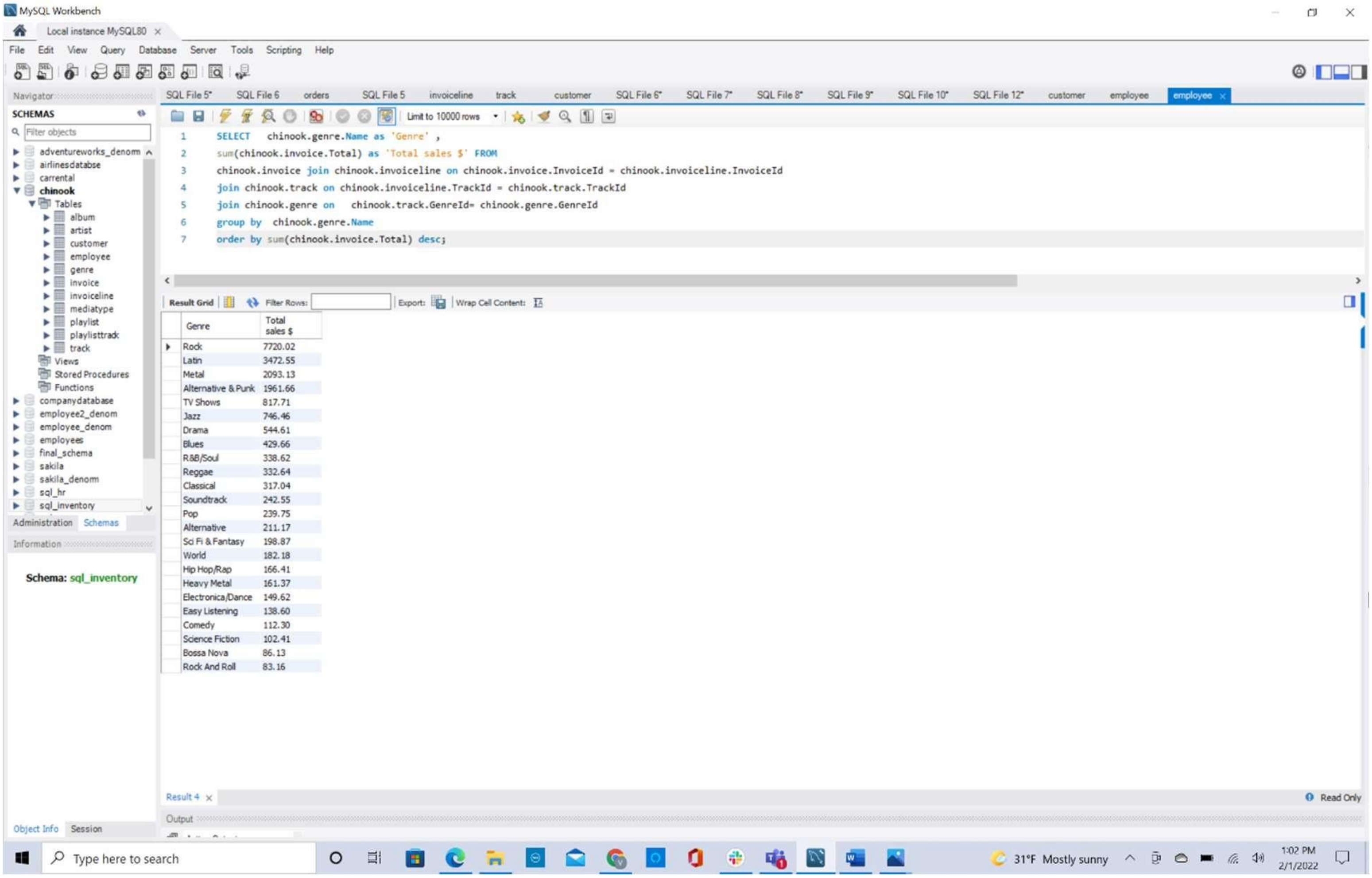
InvoiceId	int PK
CustomerId	int
InvoiceDate	datetime
BillingAddress	varchar(70)
BillingCity	varchar(40)
BillingState	varchar(40)
BillingCountry	varchar(40)
BillingPostalCode	varchar(10)
Total	decimal(10,

Q) Write SQL Query for Total sales $ by genre

10.) SELECT chinook.genre.Name as 'Genre' , sum(chinook.invoice.Total) as 'Total sales $' FROM chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId =chinook.invoiceline.InvoiceId join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackIdjoin chinook.genre on chinook.track.GenreId= chinook.genre.GenreId

group by chinook.genre.Name

order by sum(chinook.invoice.Total) desc;

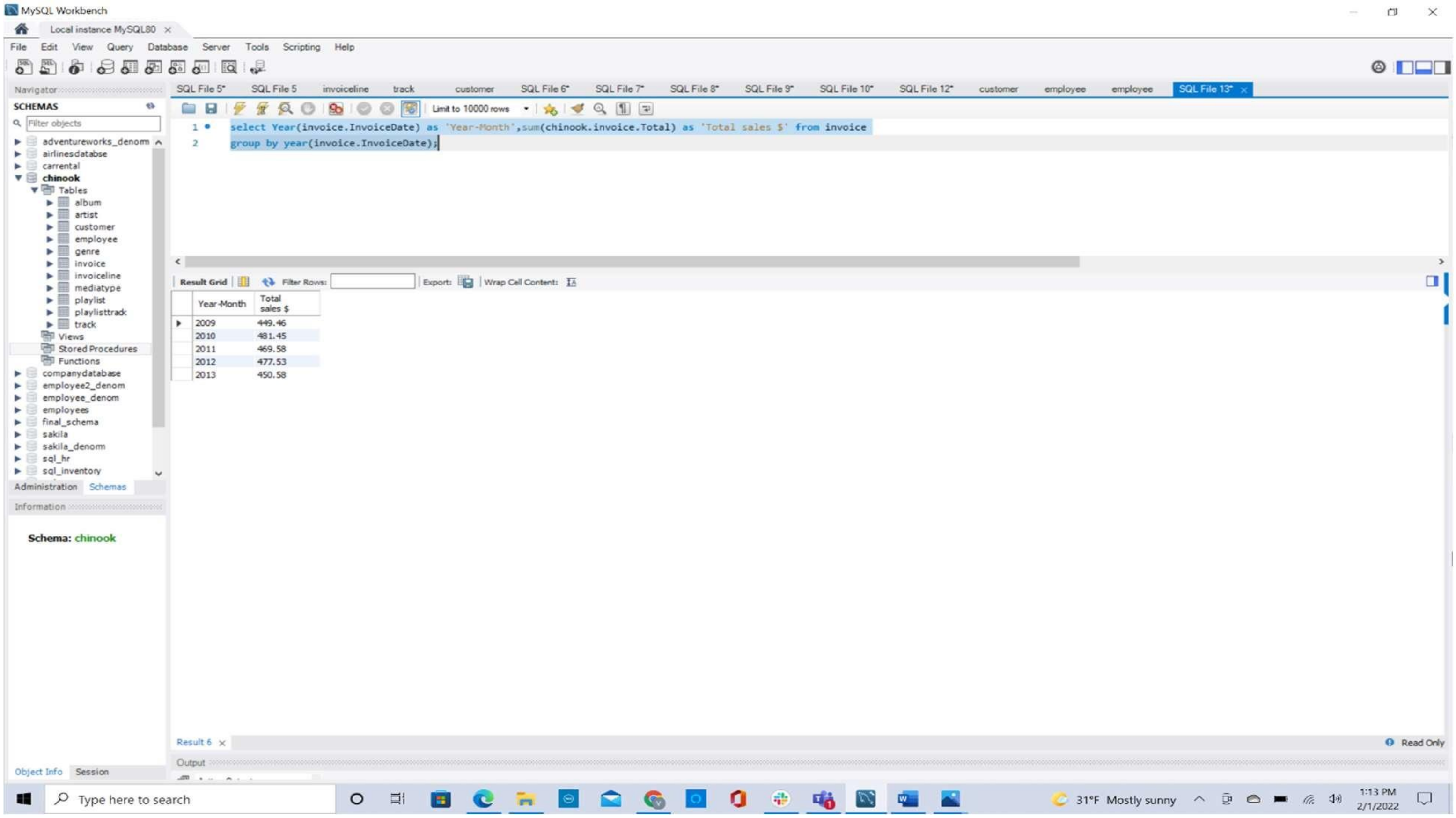


```
SELECT   chinook.genre.Name as 'Genre' ,
sum(chinook.invoice.Total) as 'Total sales $' FROM
chinook.invoice join chinook.invoiceline on chinook.invoice.InvoiceId = chinook.invoiceline.InvoiceId
join chinook.track on chinook.invoiceline.TrackId = chinook.track.TrackId
join chinook.genre on   chinook.track.GenreId= chinook.genre.GenreId
group by  chinook.genre.Name
order by sum(chinook.invoice.Total) desc;
```

Genre	Total sales $
Rock	7720.02
Latin	3472.55
Metal	2093.13
Alternative & Punk	1961.66
TV Shows	817.71
Jazz	746.46
Drama	544.61
Blues	429.66
R&B/Soul	338.62
Reggae	332.64
Classical	317.04
Soundtrack	242.55
Pop	239.75
Alternative	211.17
Sci Fi & Fantasy	198.87
World	182.18
Hip Hop/Rap	166.41
Heavy Metal	161.37
Electronica/Dance	149.62
Easy Listening	138.60
Comedy	112.30
Science Fiction	102.41
Bossa Nova	86.13
Rock And Roll	83.16

Q) Write SQL Query for total sales $ by year

11.) select year(invoice.InvoiceDate),sum(chinook.invoice.Total) as 'Total sales $' from invoicegroup by year(invoice.InvoiceDate);



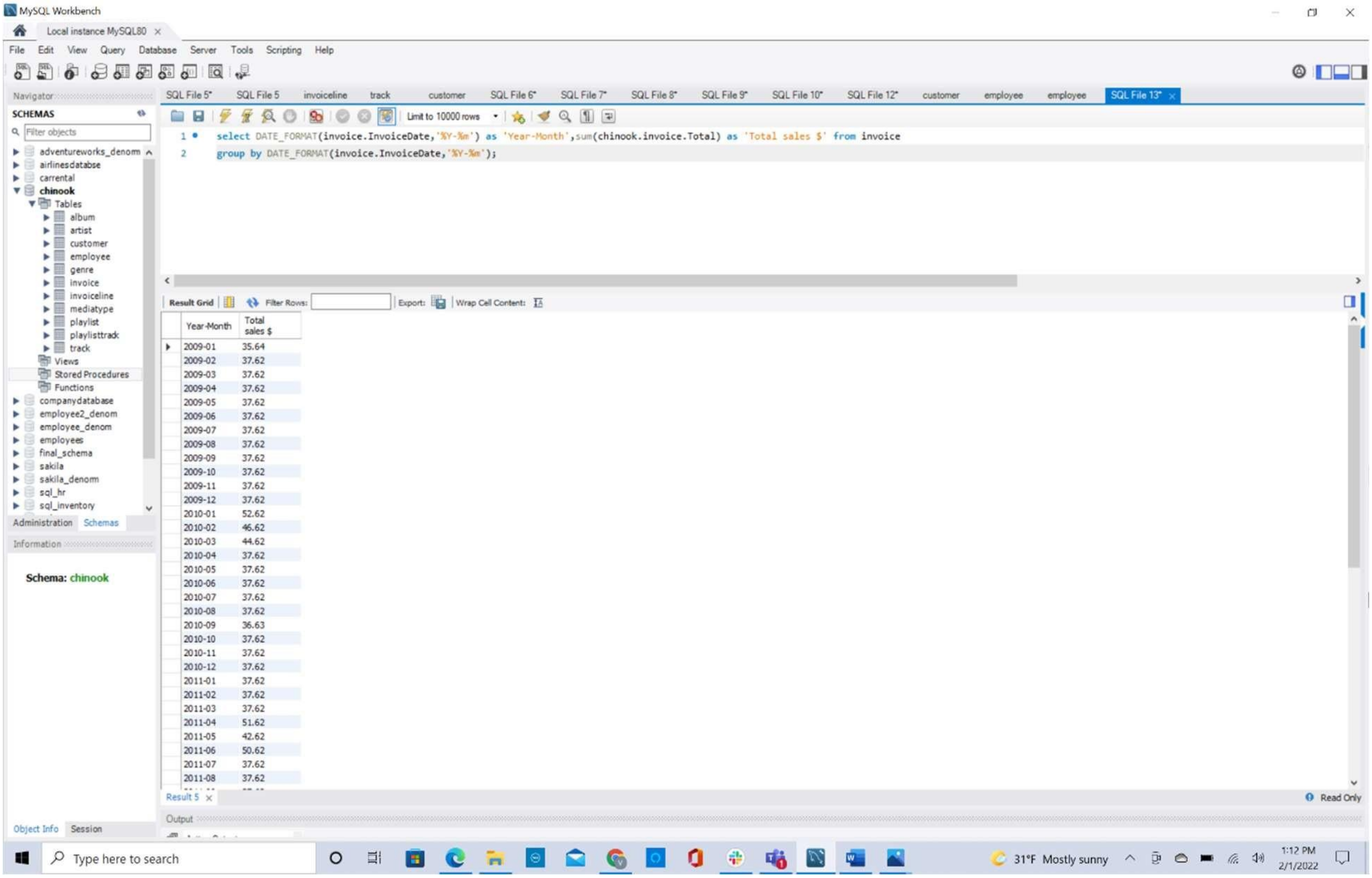
```
select Year(invoice.InvoiceDate) as 'Year-Month',sum(chinook.invoice.Total) as 'Total sales $' from invoice
group by year(invoice.InvoiceDate);
```

Year-Month	Total sales $
2009	449.46
2010	481.45
2011	469.58
2012	477.53
2013	450.58

Q) Write SQL Query for total sales $ by year-month sales

12.) select DATE_FORMAT(invoice.InvoiceDate,'%Y-%m') as 'Year-Month',sum(chinook.invoice.Total) as 'Total sales $' from invoice

group by DATE_FORMAT(invoice.InvoiceDate,'%Y-%m');



```
select DATE_FORMAT(invoice.InvoiceDate,'%Y-%m') as 'Year-Month',sum(chinook.invoice.Total) as 'Total sales $' from invoice
group by DATE_FORMAT(invoice.InvoiceDate,'%Y-%m');
```

Year-Month	Total sales $
2009-01	35.64
2009-02	37.62
2009-03	37.62
2009-04	37.62
2009-05	37.62
2009-06	37.62
2009-07	37.62
2009-08	37.62
2009-09	37.62
2009-10	37.62
2009-11	37.62
2009-12	37.62
2010-01	52.62
2010-02	46.62
2010-03	44.62
2010-04	37.62
2010-05	37.62
2010-06	37.62
2010-07	37.62
2010-08	37.62
2010-09	36.63
2010-10	37.62
2010-11	37.62
2010-12	37.62
2011-01	37.62
2011-02	37.62
2011-03	37.62
2011-04	51.62
2011-05	42.62
2011-06	50.62
2011-07	37.62
2011-08	37.62

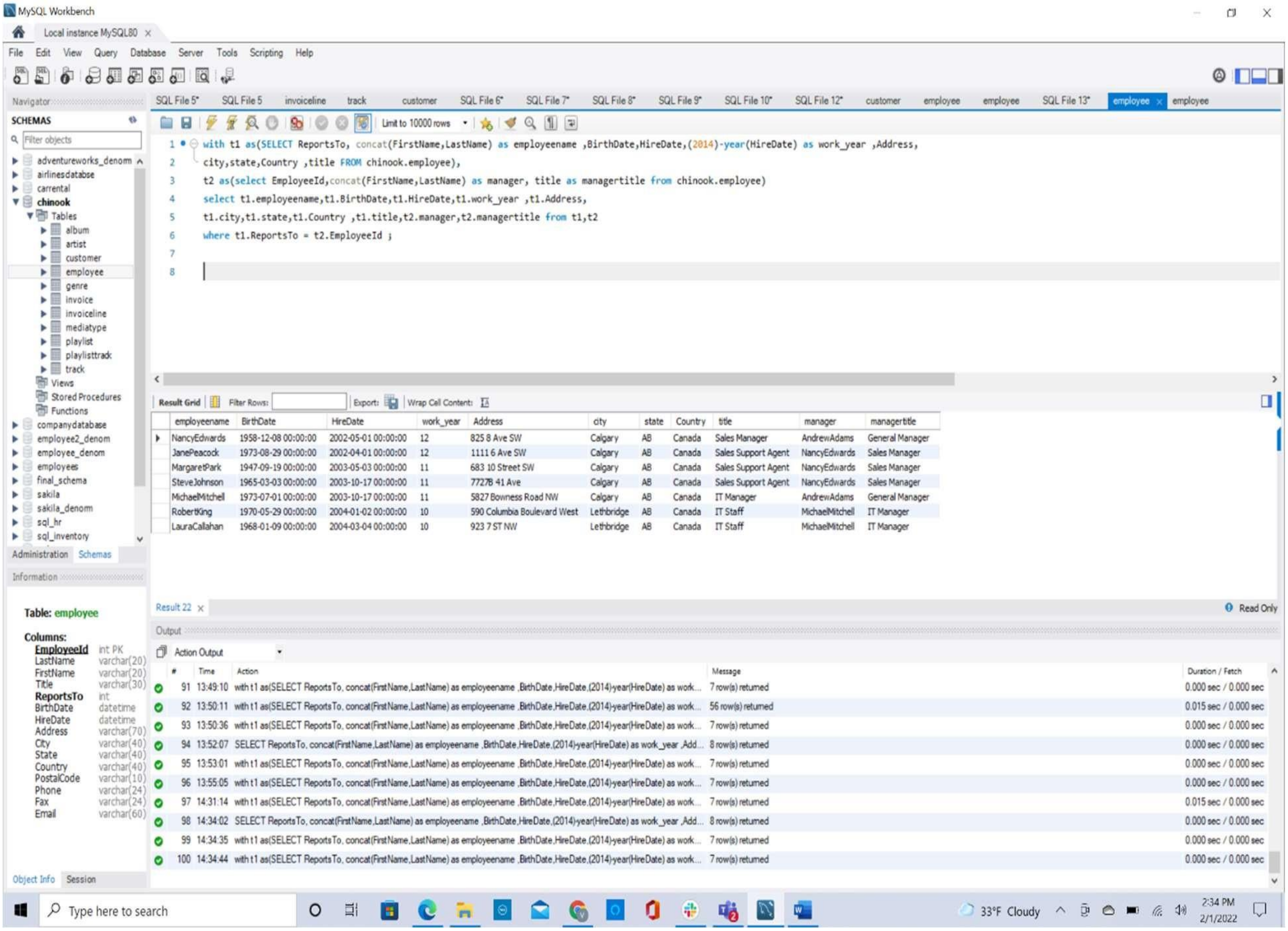
Q) Write SQL Query for what are the employees' name, birthday, hire case, years of working with company (assume as of 2013-12-31), address, city, state, country, title, manager and manager's title

13.) with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename,BirthDate,HireDate,(2014)-year(HireDate) as work_year ,Address,city,state,Country ,title FROM chinook.employee),

t2 as(select EmployeeId,concat(FirstName,LastName) as manager, title as managertitle fromchinook.employee)

select t1.employeename,t1.BirthDate,t1.HireDate,t1.work_year ,t1.Address,t1.city,t1.state,t1.Country

,t1.title,t2.manager,t2.managertitle from t1,t2 where t1.ReportsTo = t2.EmployeeId ;



```
with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work_year ,Address,
city,state,Country ,title FROM chinook.employee),
t2 as(select EmployeeId,concat(FirstName,LastName) as manager, title as managertitle from chinook.employee)
select t1.employeename,t1.BirthDate,t1.HireDate,t1.work_year ,t1.Address,
t1.city,t1.state,t1.Country ,t1.title,t2.manager,t2.managertitle from t1,t2
where t1.ReportsTo = t2.EmployeeId ;
```

employeename	BirthDate	HireDate	work_year	Address	city	state	Country	title	manager	managertitle
NancyEdwards	1958-12-08 00:00:00	2002-05-01 00:00:00	12	825 8 Ave SW	Calgary	AB	Canada	Sales Manager	AndrewAdams	General Manager
JanePeacock	1973-08-29 00:00:00	2002-04-01 00:00:00	12	1111 6 Ave SW	Calgary	AB	Canada	Sales Support Agent	NancyEdwards	Sales Manager
MargaretPark	1947-09-19 00:00:00	2003-05-03 00:00:00	11	683 10 Street SW	Calgary	AB	Canada	Sales Support Agent	NancyEdwards	Sales Manager
SteveJohnson	1965-03-03 00:00:00	2003-10-17 00:00:00	11	7727B 41 Ave	Calgary	AB	Canada	Sales Support Agent	NancyEdwards	Sales Manager
MichaelMitchell	1973-07-01 00:00:00	2003-10-17 00:00:00	11	5827 Bowness Road NW	Calgary	AB	Canada	IT Manager	AndrewAdams	General Manager
RobertKing	1970-05-29 00:00:00	2004-01-02 00:00:00	10	590 Columbia Boulevard West	Lethbridge	AB	Canada	IT Staff	MichaelMitchell	IT Manager
LauraCallahan	1968-01-09 00:00:00	2004-03-04 00:00:00	10	923 7 ST NW	Lethbridge	AB	Canada	IT Staff	MichaelMitchell	IT Manager

Table: employee

Columns:

EmployeeId	int PK
LastName	varchar(20)
FirstName	varchar(20)
Title	varchar(30)
ReportsTo	int
BirthDate	datetime
HireDate	datetime
Address	varchar(70)
City	varchar(40)
State	varchar(40)
Country	varchar(40)
PostalCode	varchar(10)
Phone	varchar(24)
Fax	varchar(24)
Email	varchar(60)

```
 #   Time      Action                                                                                                    Message            Duration / Fetch
 91  13:49:10  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
 92  13:50:11  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  56 row(s) returned  0.015 sec / 0.000 sec
 93  13:50:36  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
 94  13:52:07  SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work_year ,Add...  8 row(s) returned   0.000 sec / 0.000 sec
 95  13:53:01  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
 96  13:55:05  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
 97  14:31:14  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.015 sec / 0.000 sec
 98  14:34:02  SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work_year ,Add...  8 row(s) returned   0.000 sec / 0.000 sec
 99  14:34:35  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
100  14:34:44  with t1 as(SELECT ReportsTo, concat(FirstName,LastName) as employeename ,BirthDate,HireDate,(2014)-year(HireDate) as work...  7 row(s) returned   0.000 sec / 0.000 sec
```

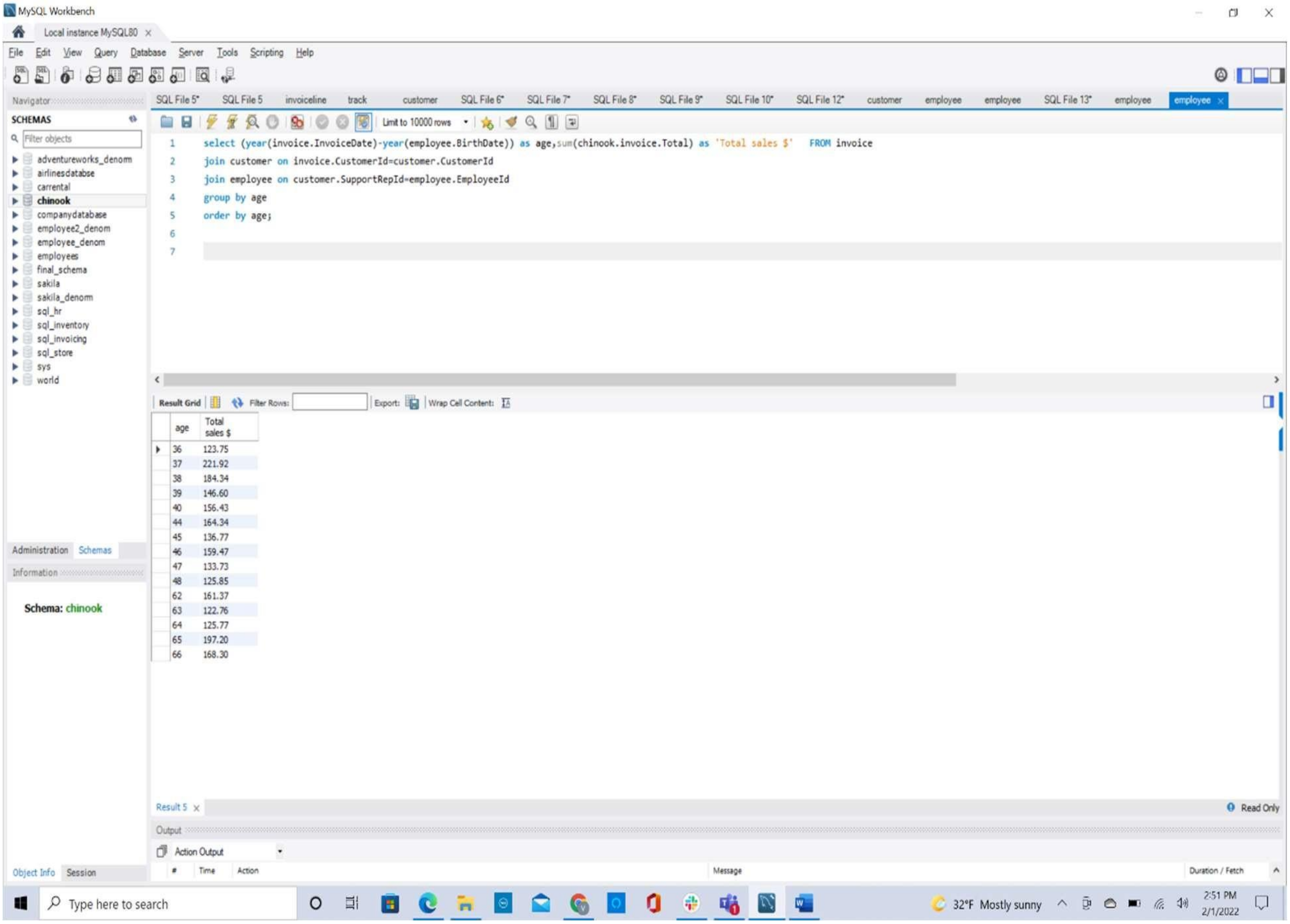
Q) Write SQL Query for total sales $ by employee age at the time of the invoice date

14.) select (year(invoice.InvoiceDate)-year(employee.BirthDate)) asage,sum(chinook.invoice.Total) as 'Total sales $' FROM invoice

join customer on invoice.CustomerId=customer.CustomerId

join employee on customer.SupportRepId=employee.EmployeeIdgroup by age

order by age;



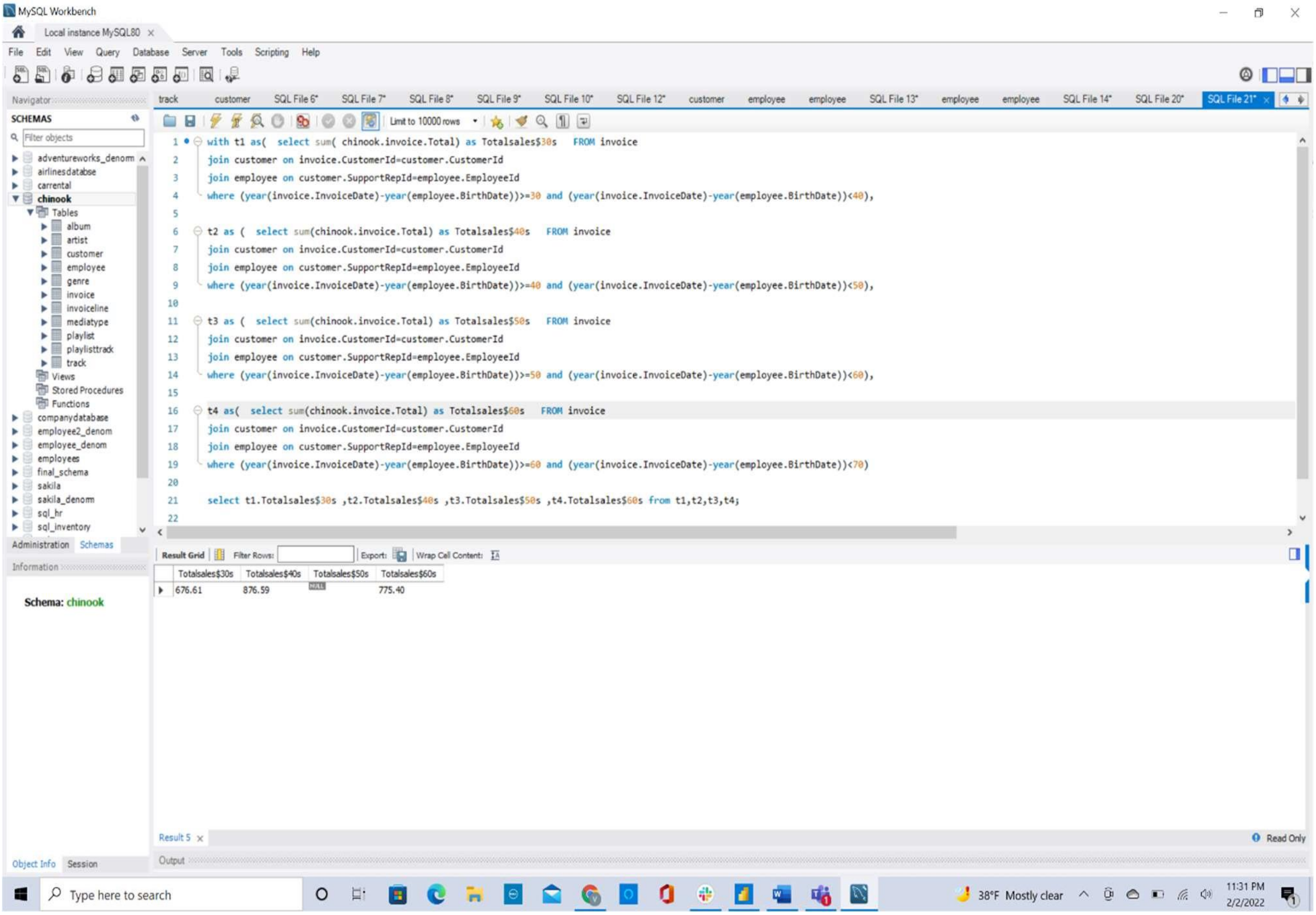
```
select (year(invoice.InvoiceDate)-year(employee.BirthDate)) as age,sum(chinook.invoice.Total) as 'Total sales $'   FROM invoice
join customer on invoice.CustomerId=customer.CustomerId
join employee on customer.SupportRepId=employee.EmployeeId
group by age
order by age;
```

age	Total sales $
36	123.75
37	221.92
38	184.34
39	146.60
40	156.43
44	164.34
45	136.77
46	159.47
47	133.73
48	125.85
62	161.37
63	122.76
64	125.77
65	197.20
66	168.30

Q) Write SQL Query for total sales $ by employees who are in their 30s, 40s, 50s and 60s

15.)

```
with t1 as(  select sum( chinook.invoice.Total) as Totalsales$30s  FROM invoicejoin

customer on invoice.CustomerId=customer.CustomerId

join employee on customer.SupportRepId=employee.EmployeeId

where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=30 and
(year(invoice.InvoiceDate)-year(employee.BirthDate))<40),


t2 as (  select sum(chinook.invoice.Total) as Totalsales$40s  FROM invoicejoin

customer on invoice.CustomerId=customer.CustomerId

join employee on customer.SupportRepId=employee.EmployeeId

where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=40 and
(year(invoice.InvoiceDate)-year(employee.BirthDate))<50),


t3 as (  select sum(chinook.invoice.Total) as Totalsales$50s  FROM invoicejoin

customer on invoice.CustomerId=customer.CustomerId

join employee on customer.SupportRepId=employee.EmployeeId

where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=50 and
(year(invoice.InvoiceDate)-year(employee.BirthDate))<60),


t4 as(  select sum(chinook.invoice.Total) as Totalsales$60s  FROM invoicejoin customer

on invoice.CustomerId=customer.CustomerId

join employee on customer.SupportRepId=employee.EmployeeId

where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=60 and
(year(invoice.InvoiceDate)-year(employee.BirthDate))<70)


select t1.Totalsales$30s ,t2.Totalsales$40s ,t3.Totalsales$50s ,t4.Totalsales$60s from
t1,t2,t3,t4;
```



```sql
with t1 as(  select sum( chinook.invoice.Total) as Totalsales$30s   FROM invoice
join customer on invoice.CustomerId=customer.CustomerId
join employee on customer.SupportRepId=employee.EmployeeId
where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=30 and (year(invoice.InvoiceDate)-year(employee.BirthDate))<40),

t2 as (  select sum(chinook.invoice.Total) as Totalsales$40s   FROM invoice
join customer on invoice.CustomerId=customer.CustomerId
join employee on customer.SupportRepId=employee.EmployeeId
where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=40 and (year(invoice.InvoiceDate)-year(employee.BirthDate))<50),

t3 as (  select sum(chinook.invoice.Total) as Totalsales$50s   FROM invoice
join customer on invoice.CustomerId=customer.CustomerId
join employee on customer.SupportRepId=employee.EmployeeId
where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=50 and (year(invoice.InvoiceDate)-year(employee.BirthDate))<60),

t4 as(  select sum(chinook.invoice.Total) as Totalsales$60s   FROM invoice
join customer on invoice.CustomerId=customer.CustomerId
join employee on customer.SupportRepId=employee.EmployeeId
where (year(invoice.InvoiceDate)-year(employee.BirthDate))>=60 and (year(invoice.InvoiceDate)-year(employee.BirthDate))<70)

select t1.Totalsales$30s ,t2.Totalsales$40s ,t3.Totalsales$50s ,t4.Totalsales$60s from t1,t2,t3,t4;
```

Totalsales$30s	Totalsales$40s	Totalsales$50s	Totalsales$60s
676.61	876.59	NULL	775.40

Schema: chinook