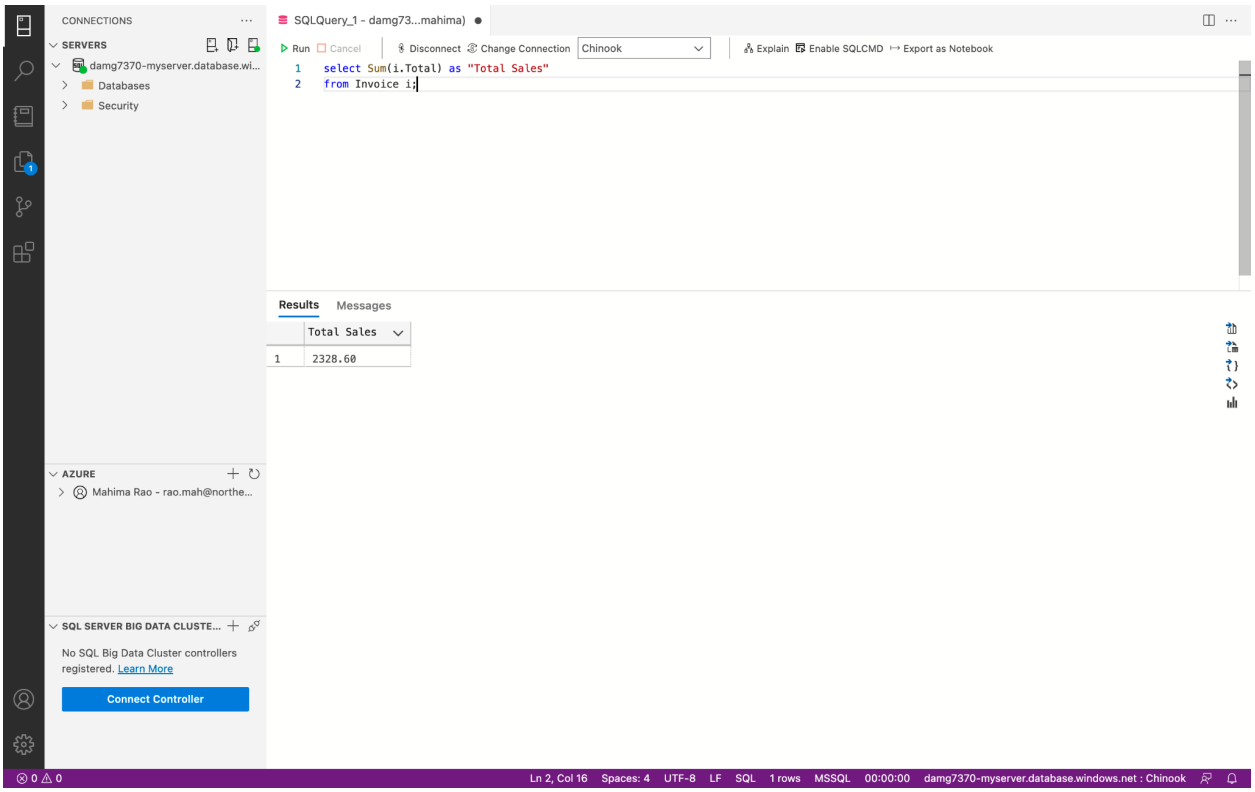
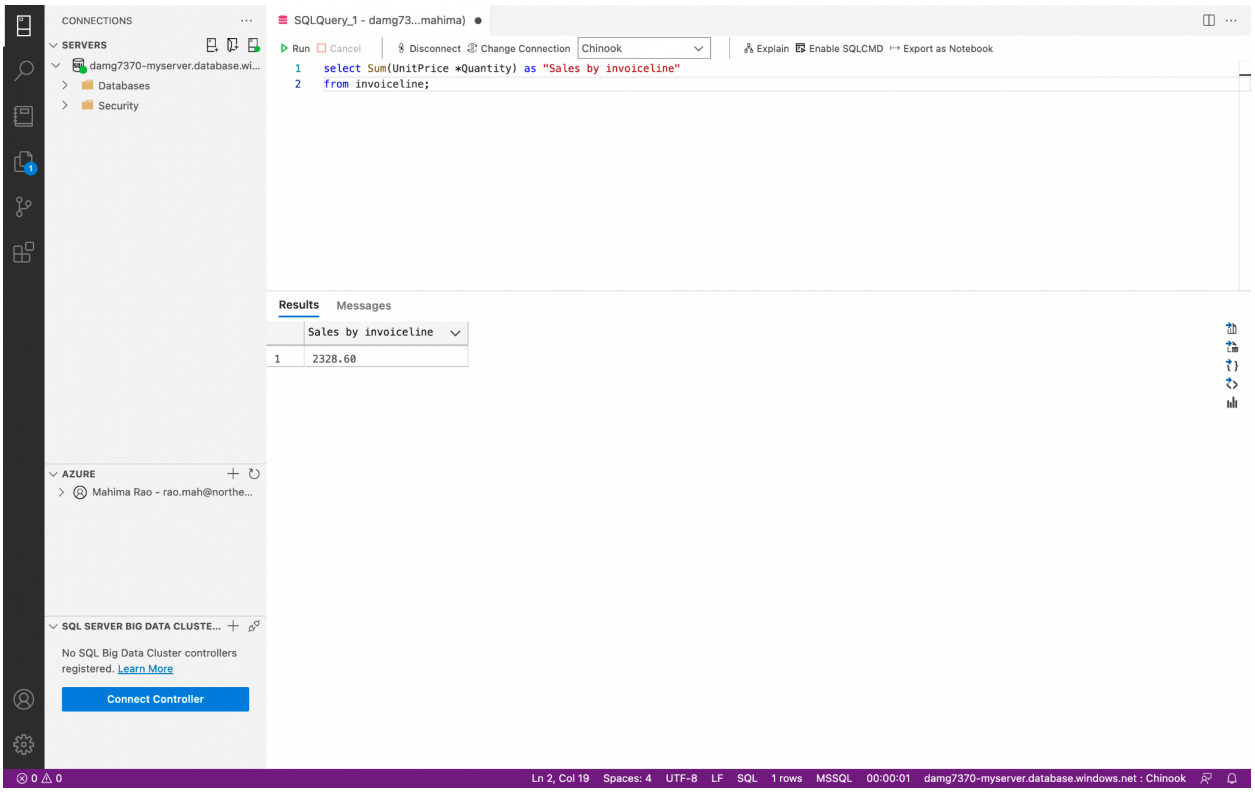
SQL Queries DAMG7370 Assignment

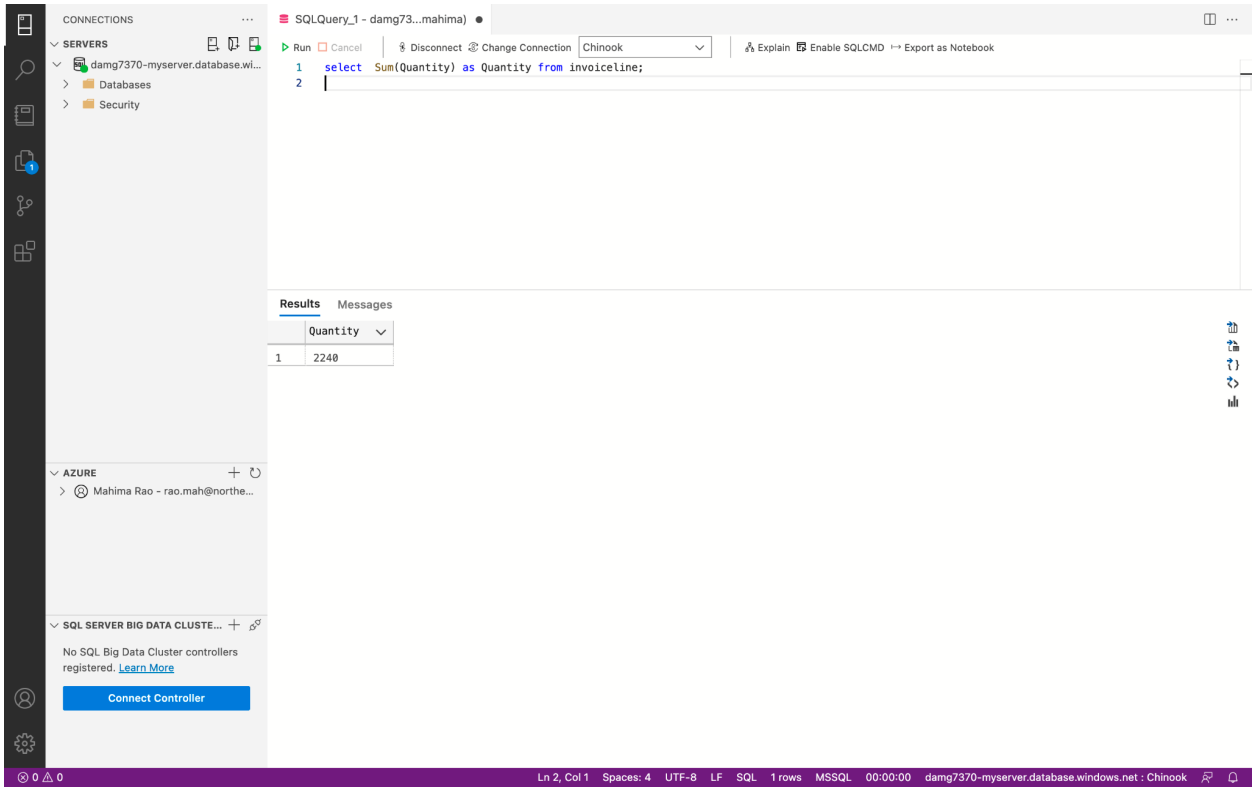
1. Total sales $ via Invoice



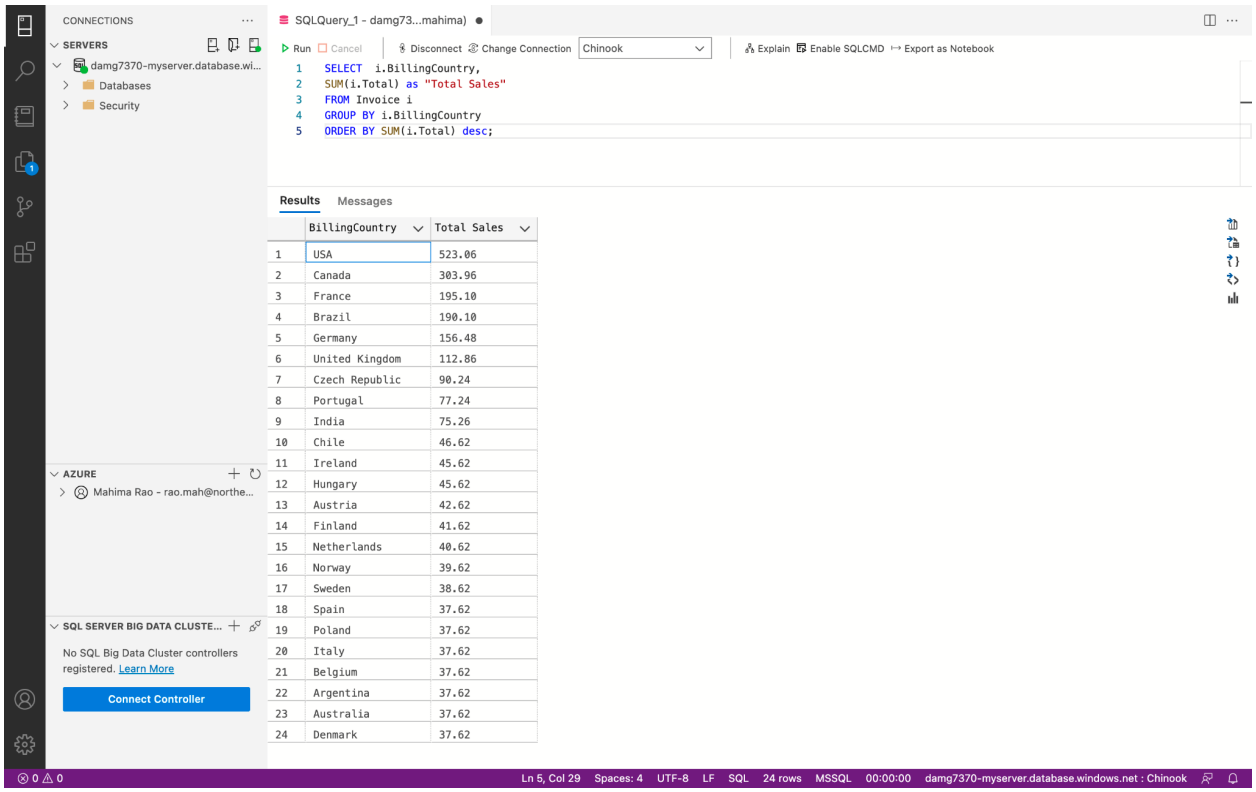
2. Total sales $ via Invoiceline



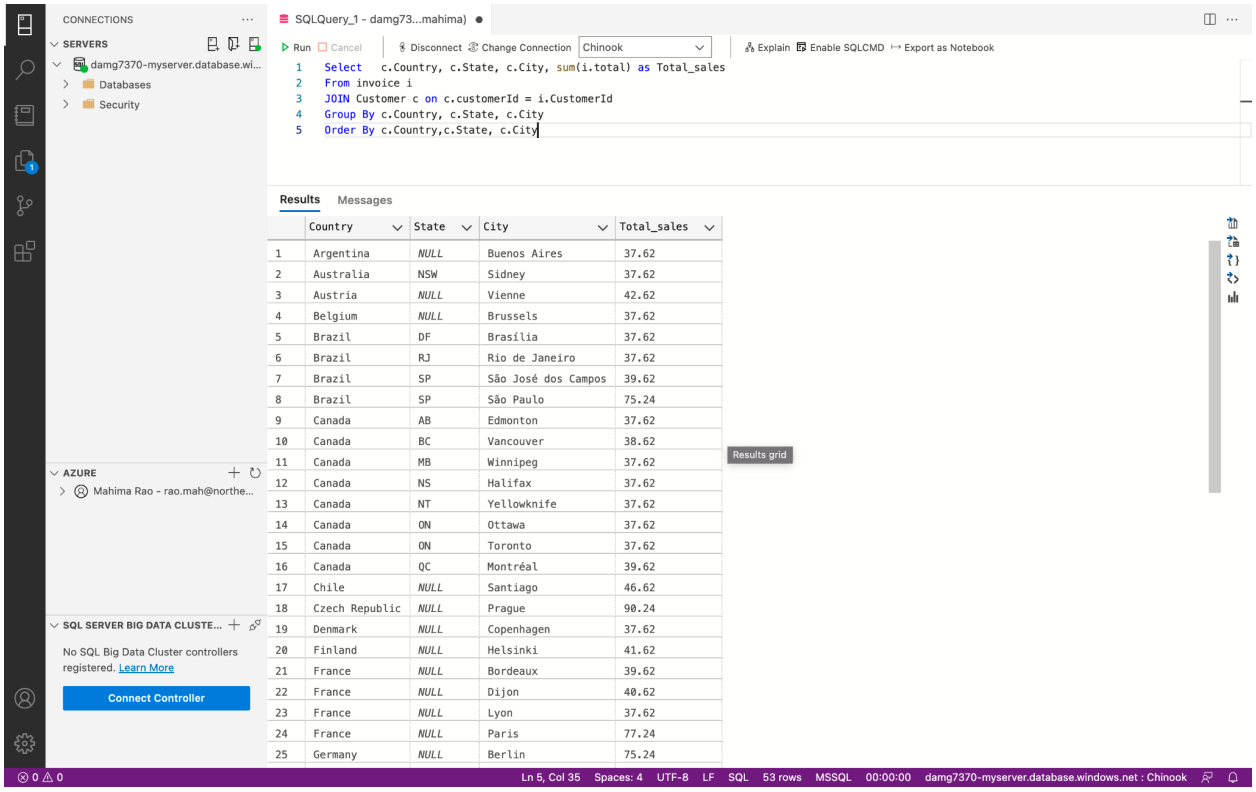
3. Total tracks (songs) sold



4. Total sales $ by customer's country – ranked (sorted largest to smallest)



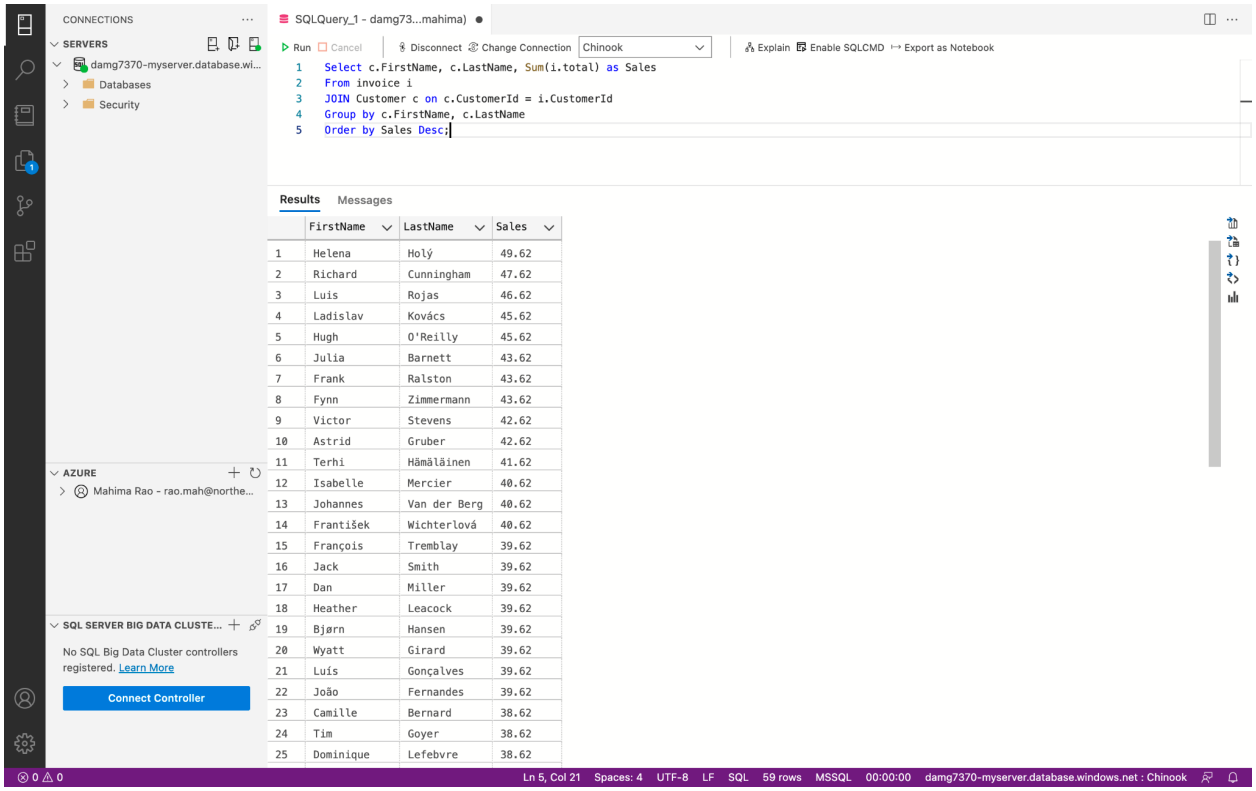
5. Total sales $ by customer's geo (country, state & city)



```
Select   c.Country, c.State, c.City, sum(i.total) as Total_sales
From invoice i
JOIN Customer c on c.customerId = i.CustomerId
Group By c.Country, c.State, c.City
Order By c.Country,c.State, c.City
```

	Country	State	City	Total_sales
1	Argentina	NULL	Buenos Aires	37.62
2	Australia	NSW	Sidney	37.62
3	Austria	NULL	Vienne	42.62
4	Belgium	NULL	Brussels	37.62
5	Brazil	DF	Brasília	37.62
6	Brazil	RJ	Rio de Janeiro	37.62
7	Brazil	SP	São José dos Campos	39.62
8	Brazil	SP	São Paulo	75.24
9	Canada	AB	Edmonton	37.62
10	Canada	BC	Vancouver	38.62
11	Canada	MB	Winnipeg	37.62
12	Canada	NS	Halifax	37.62
13	Canada	NT	Yellowknife	37.62
14	Canada	ON	Ottawa	37.62
15	Canada	ON	Toronto	37.62
16	Canada	QC	Montréal	39.62
17	Chile	NULL	Santiago	46.62
18	Czech Republic	NULL	Prague	90.24
19	Denmark	NULL	Copenhagen	37.62
20	Finland	NULL	Helsinki	41.62
21	France	NULL	Bordeaux	39.62
22	France	NULL	Dijon	40.62
23	France	NULL	Lyon	37.62
24	France	NULL	Paris	77.24
25	Germany	NULL	Berlin	75.24

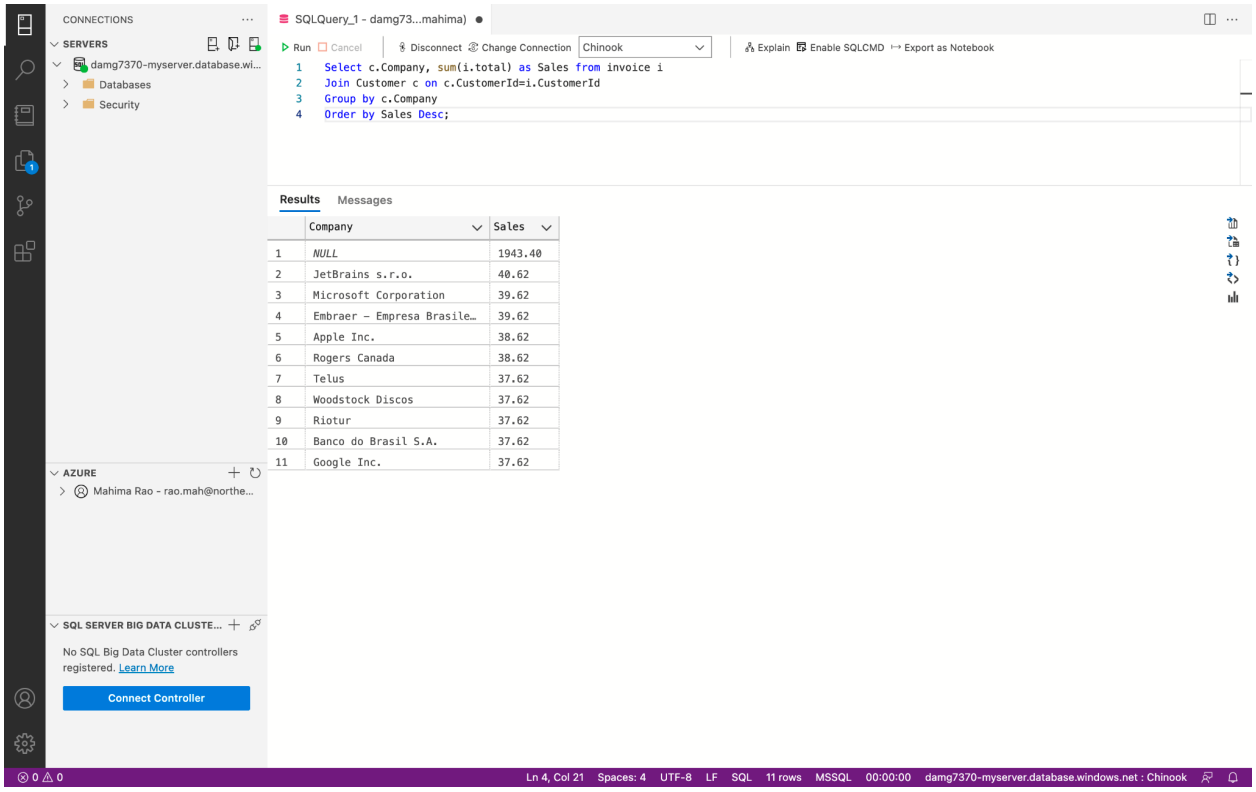
6. Total sales $ by customer (a person with last name & first name) – ranked (sorted largest to smallest)



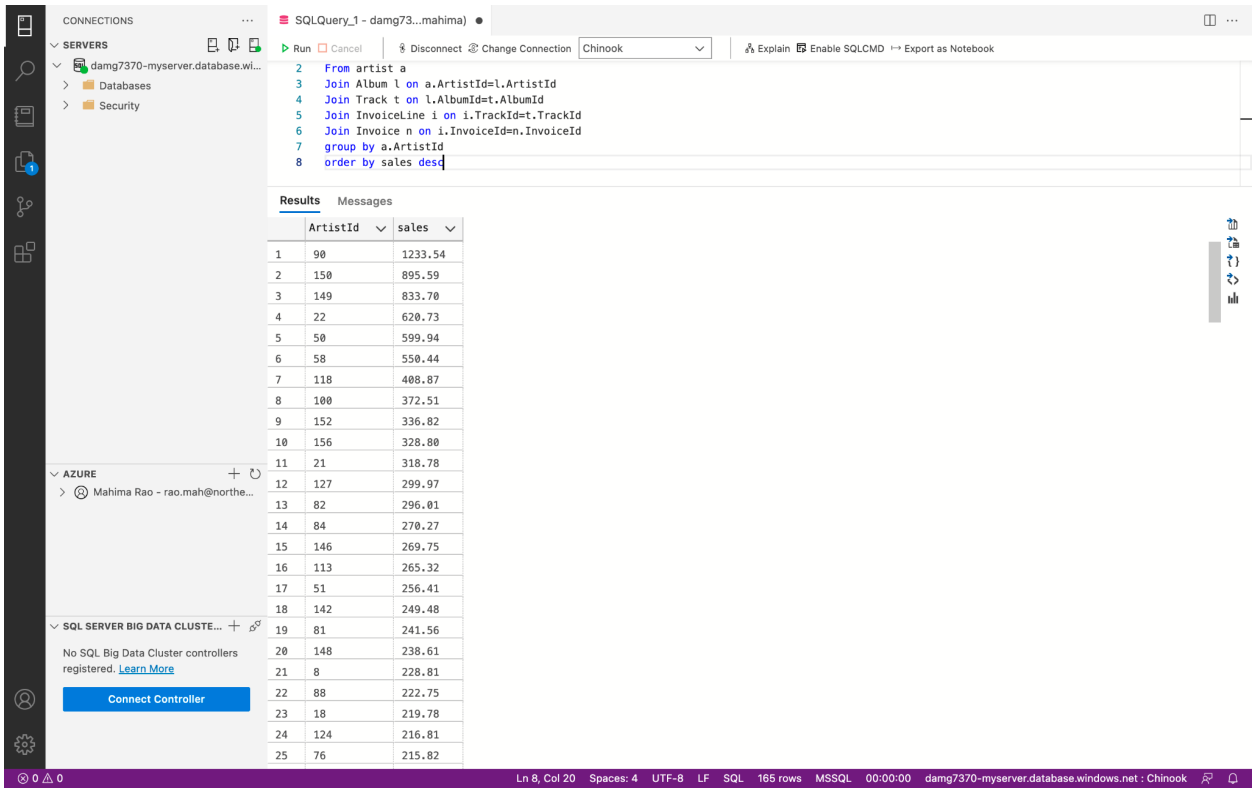
```
Select c.FirstName, c.LastName, Sum(i.total) as Sales
From invoice i
JOIN Customer c on c.CustomerId = i.CustomerId
Group by c.FirstName, c.LastName
Order by Sales Desc;
```

	FirstName	LastName	Sales
1	Helena	Holý	49.62
2	Richard	Cunningham	47.62
3	Luis	Rojas	46.62
4	Ladislav	Kovács	45.62
5	Hugh	O'Reilly	45.62
6	Julia	Barnett	43.62
7	Frank	Ralston	43.62
8	Fynn	Zimmermann	43.62
9	Victor	Stevens	42.62
10	Astrid	Gruber	42.62
11	Terhi	Hämäläinen	41.62
12	Isabelle	Mercier	40.62
13	Johannes	Van der Berg	40.62
14	František	Wichterlová	40.62
15	François	Tremblay	39.62
16	Jack	Smith	39.62
17	Dan	Miller	39.62
18	Heather	Leacock	39.62
19	Bjørn	Hansen	39.62
20	Wyatt	Girard	39.62
21	Luís	Gonçalves	39.62
22	João	Fernandes	39.62
23	Camille	Bernard	38.62
24	Tim	Goyer	38.62
25	Dominique	Lefebvre	38.62

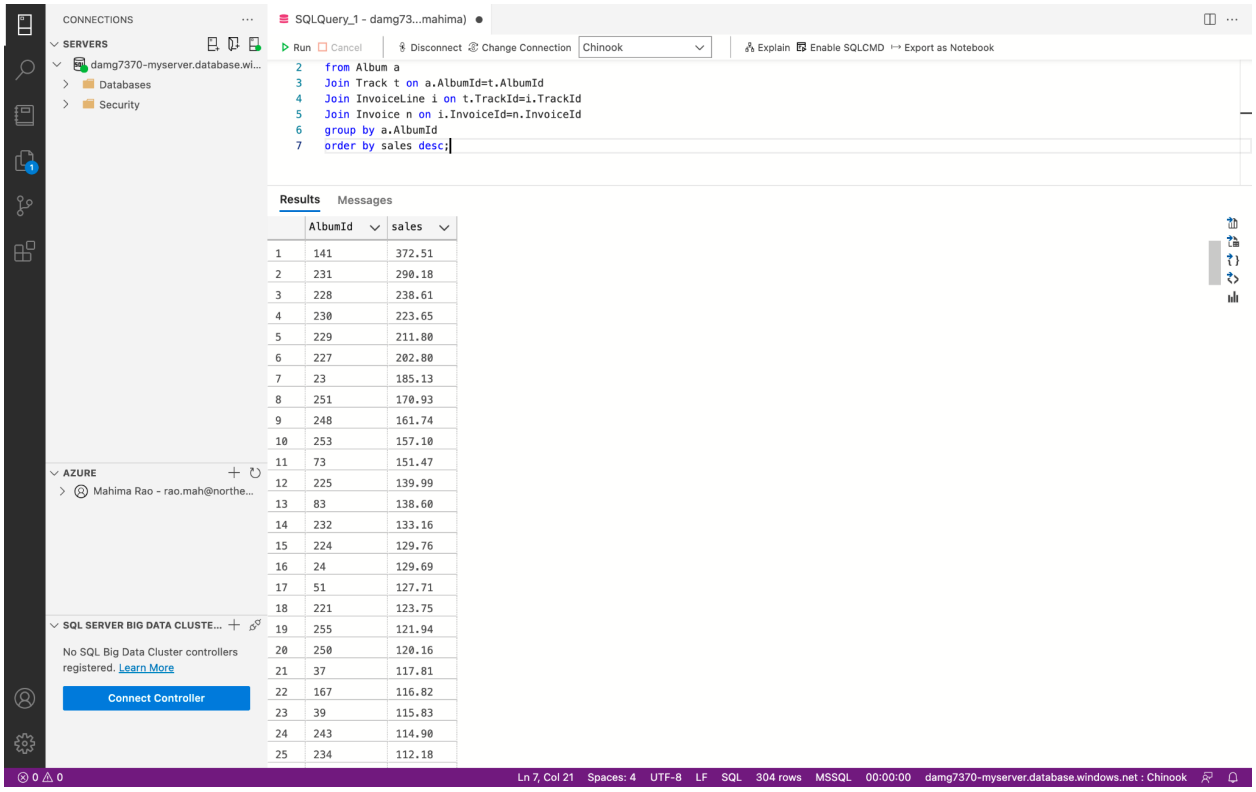
7. Total sales $ by company – ranked (sorted largest to smallest)



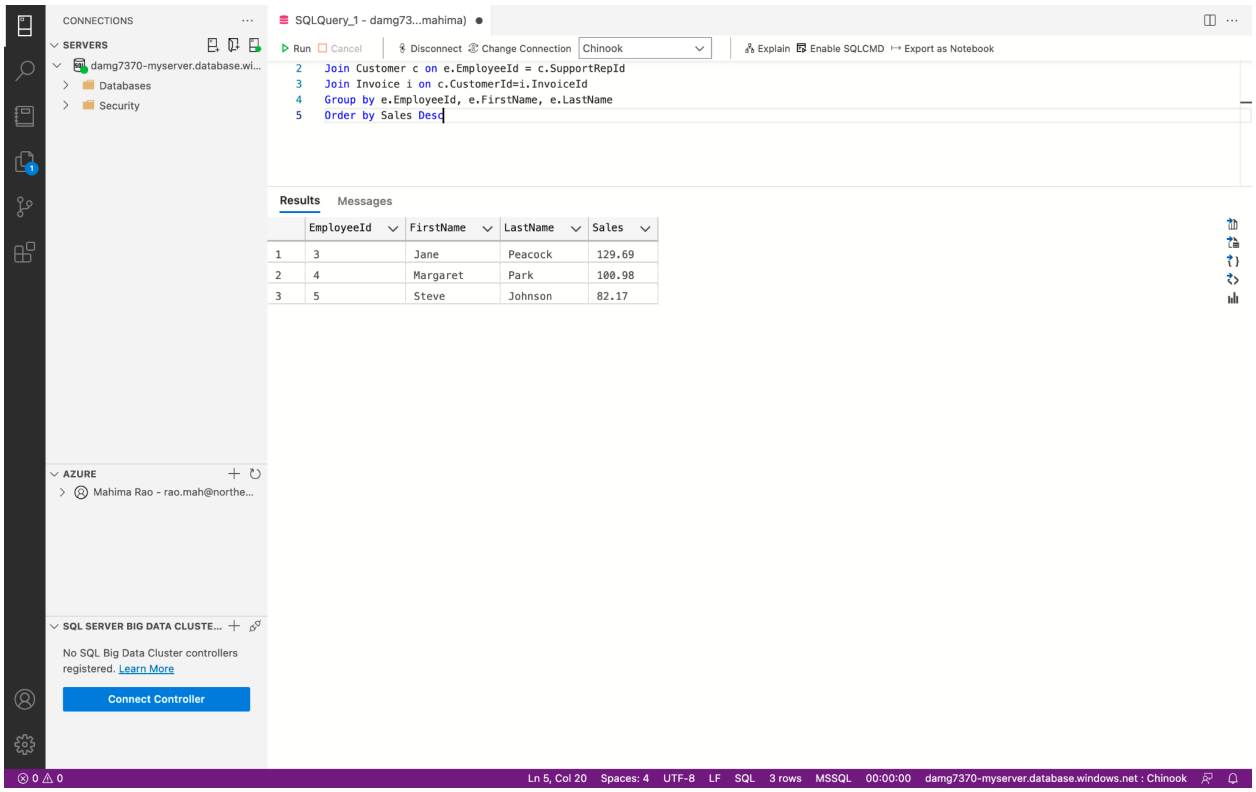
8. Total sales $ by artist – ranked (sorted largest to smallest)



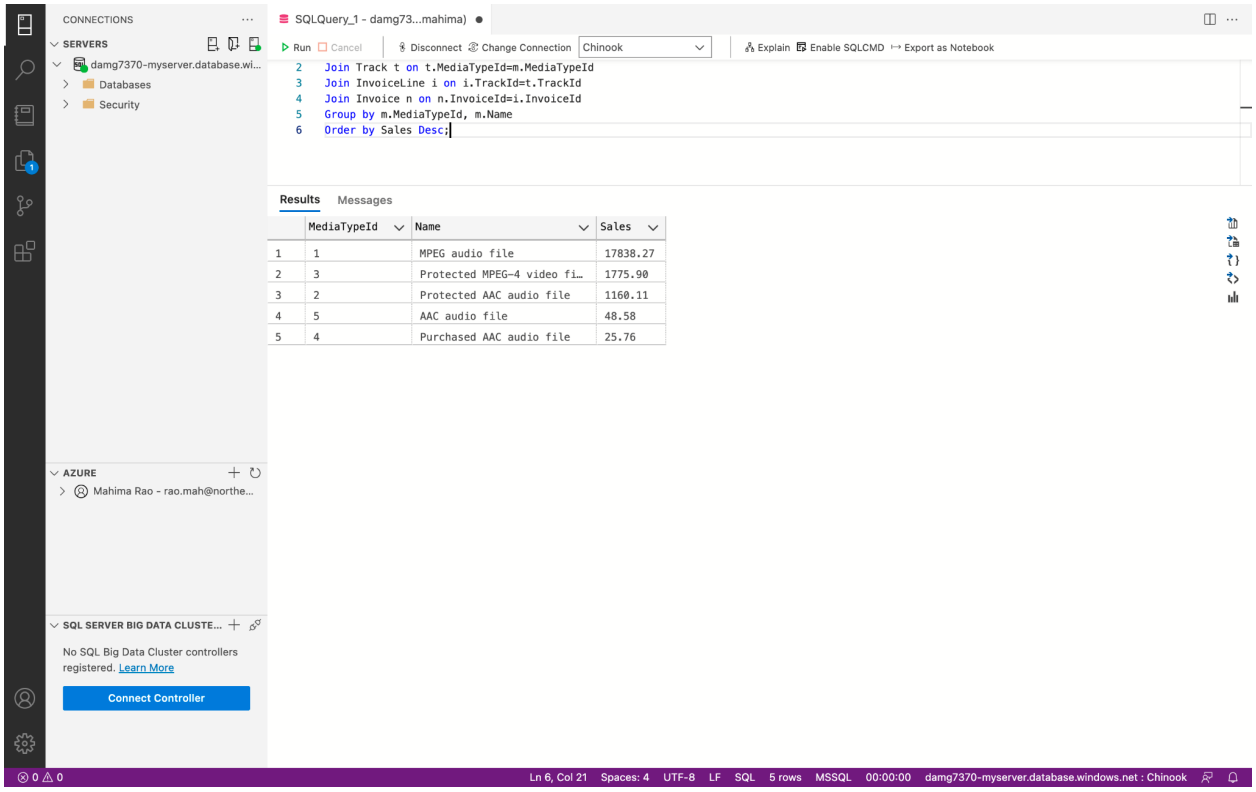
9. Total sales $ by album – ranked (sorted largest to smallest)



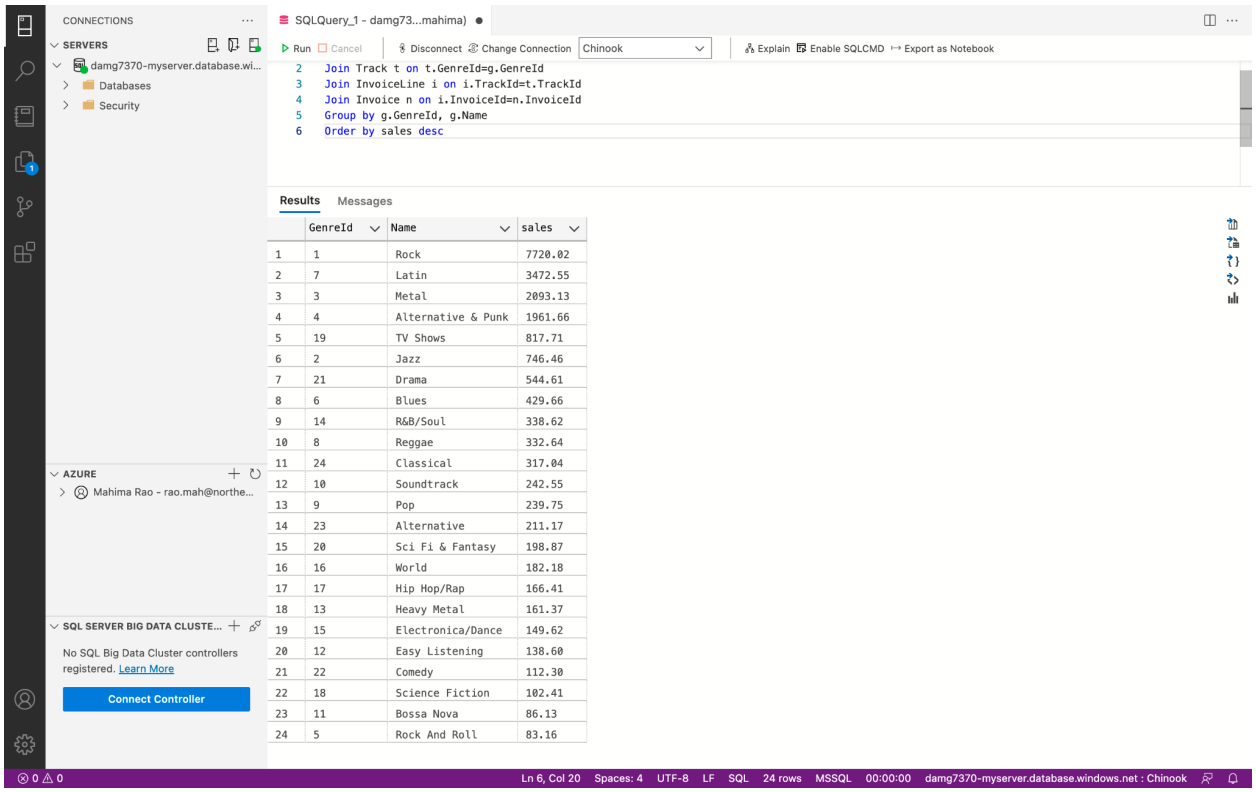
10. Total sales $ by salesperson (employee)



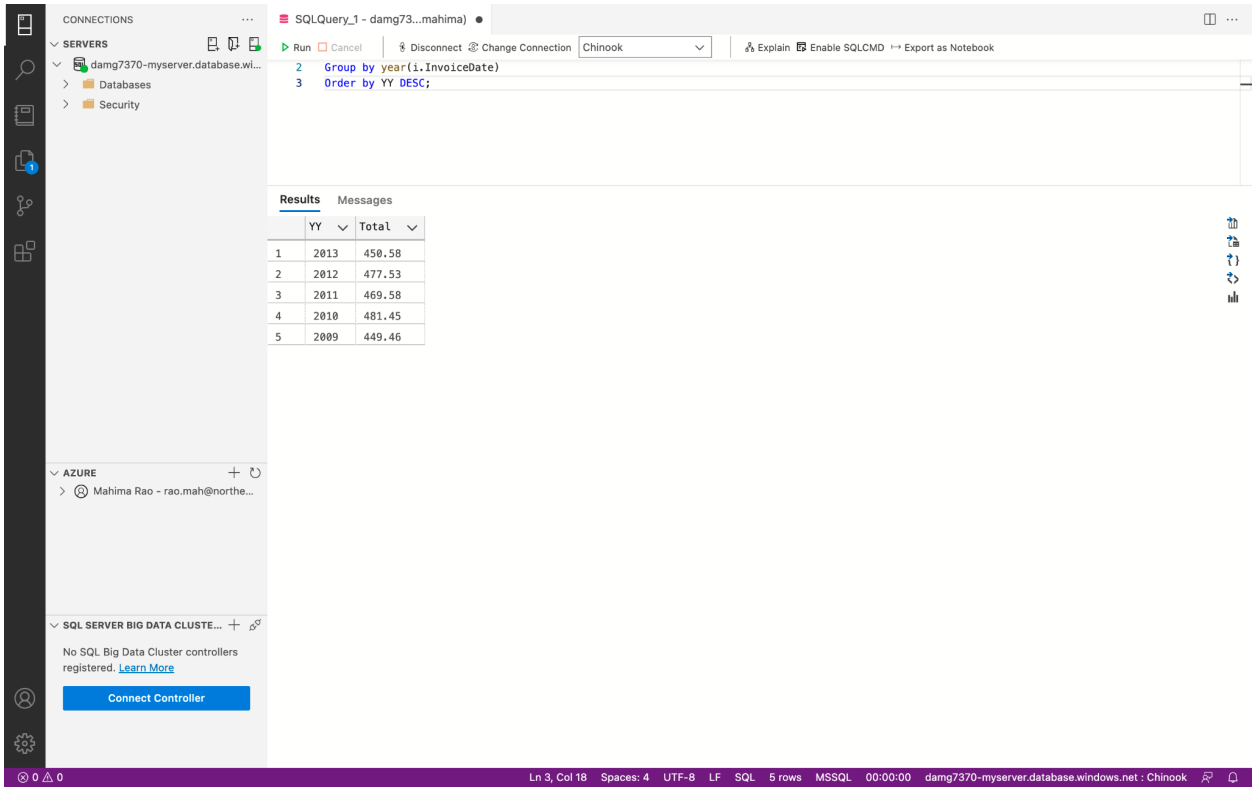
11. Total sales $ by media type



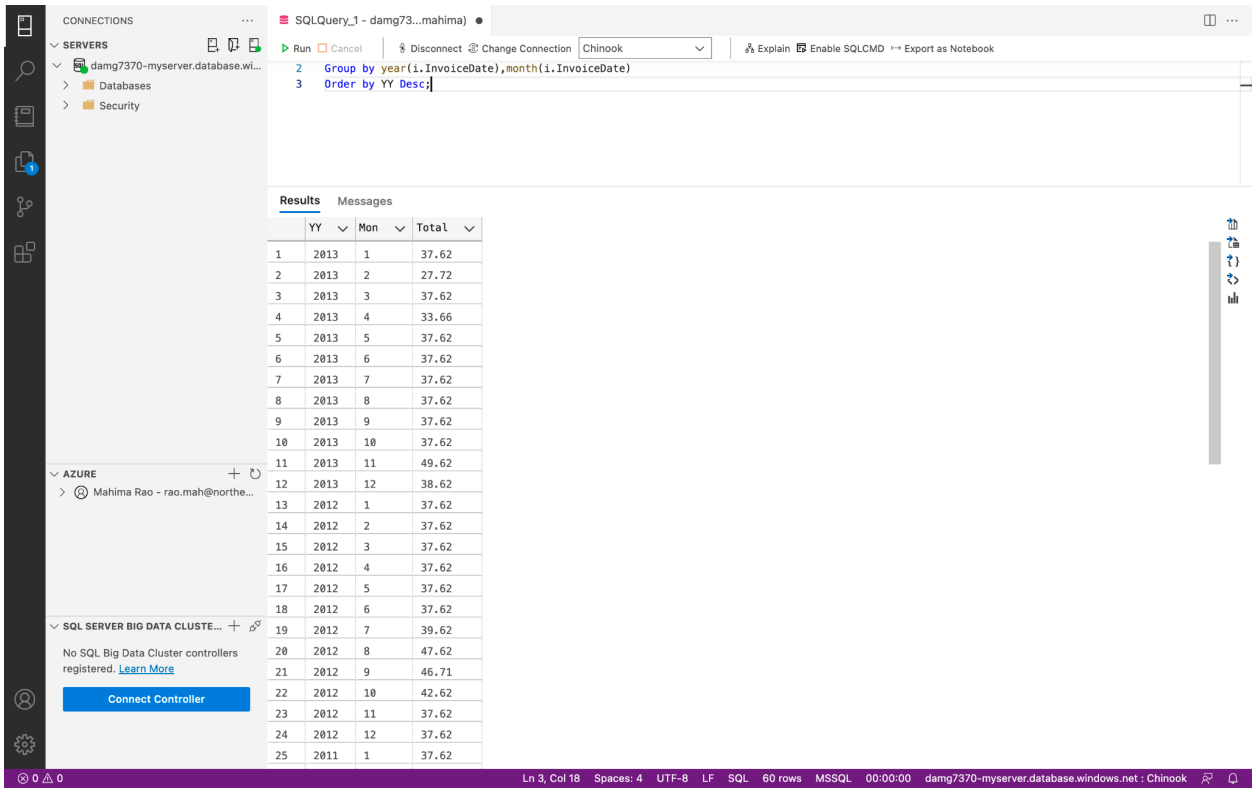
12. Total sales $ by genre



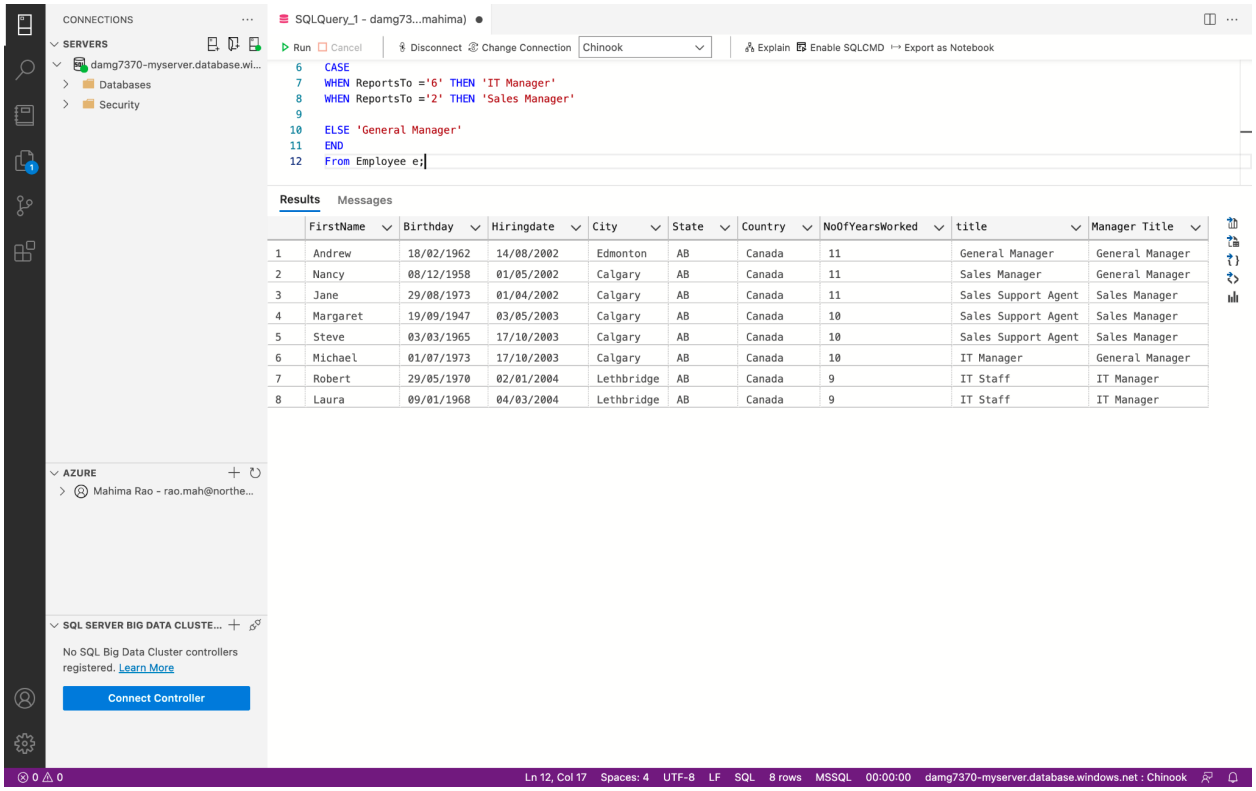
13. What are the total sales $ by year



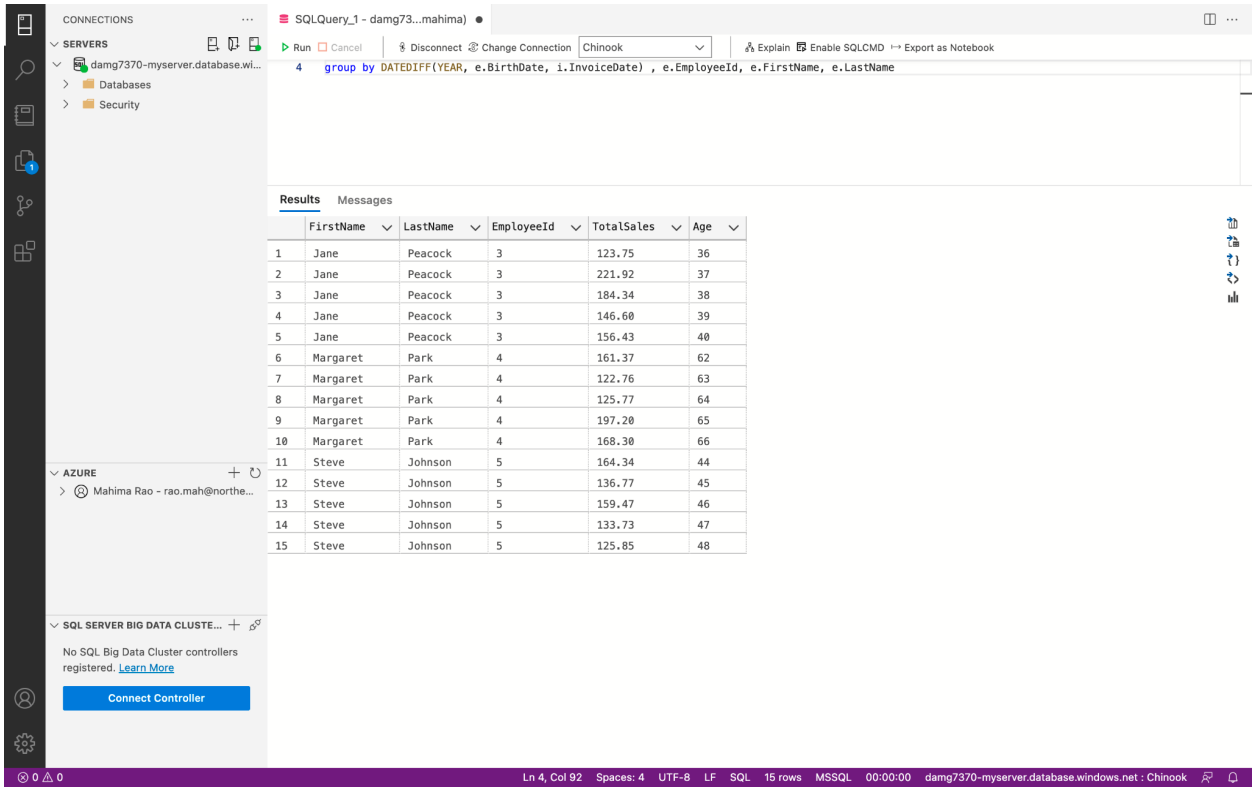
14. What are the total sales $ by year - month



15. What are the employees' name, birthday, Hiredate, years of working with company (assume as of 2013-12- 31), address, city, state, country, title, manager and manager's title



16. What are the total sales $ by employee age at the time of the invoice date



17. What are the total sales $ by employees who are in their 30s, 40s, 50s and 60s (employee age at the time of the invoice date)