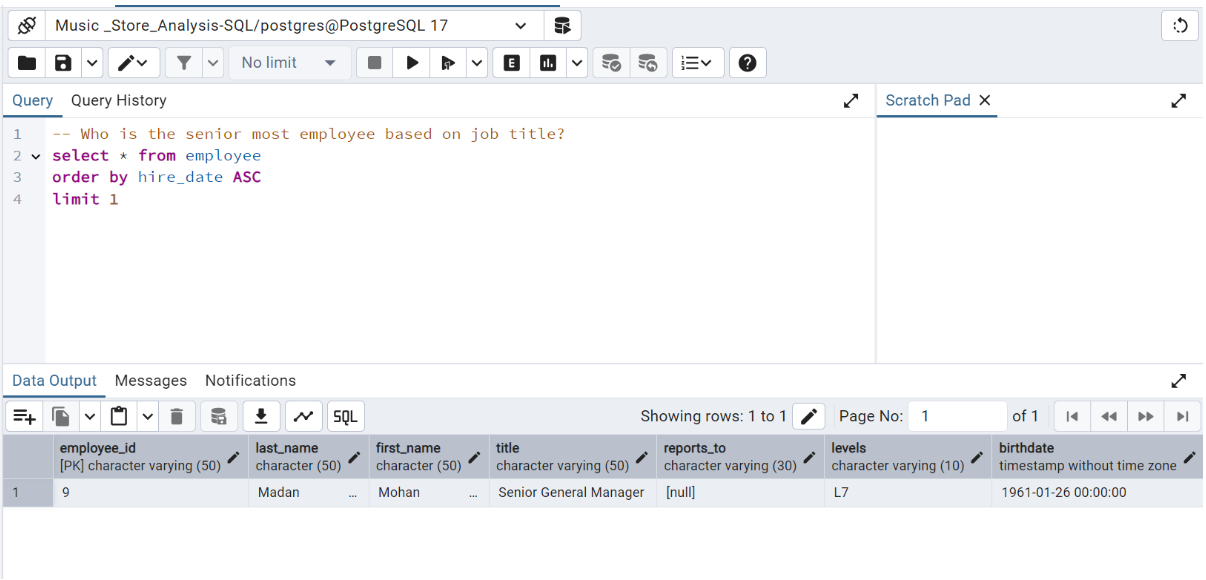
SQL-Project (Music Store Data Analysis)

- **Who is the senior most employee based on job title?**
  The most senior employee name is Madan Mohan and have highest rank of job title which is Senior general manager.

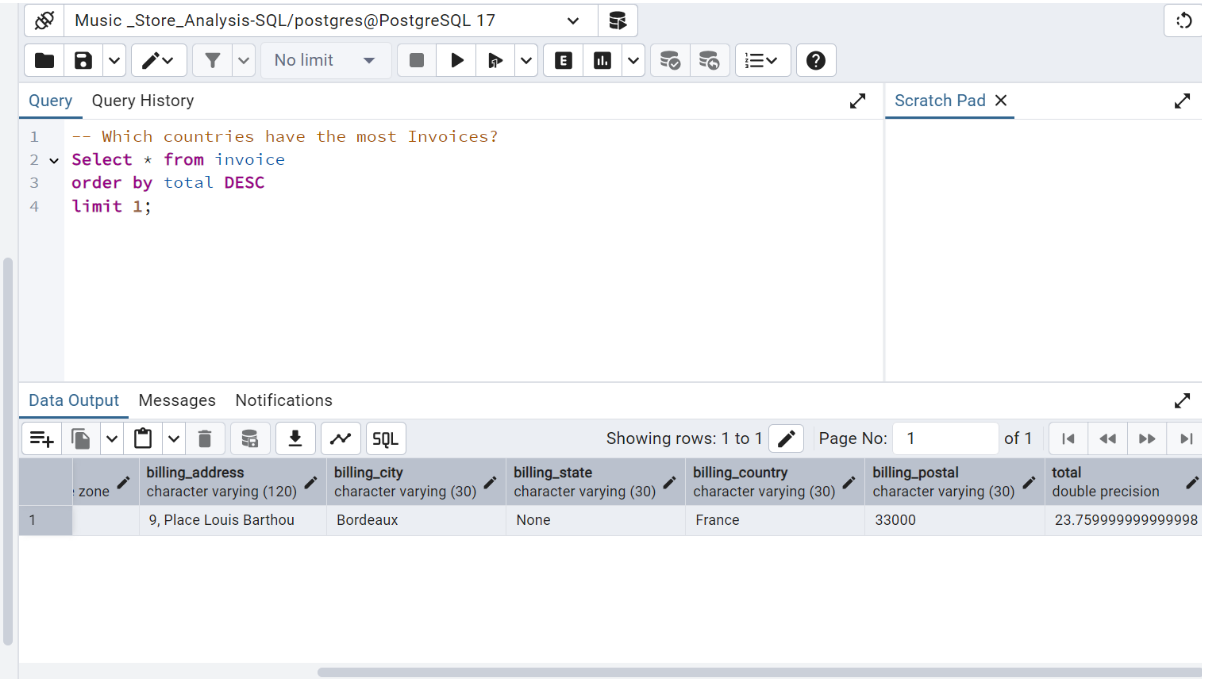


```sql
-- Who is the senior most employee based on job title?
select * from employee
order by hire_date ASC
limit 1
```

	employee_id [PK] character varying (50)	last_name character (50)	first_name character (50)	title character varying (50)	reports_to character varying (30)	levels character varying (10)	birthdate timestamp without time zone
1	9	Madan ...	Mohan ...	Senior General Manager	[null]	L7	1961-01-26 00:00:00

- **Which countries have the most Invoices?**

  France has the more invoices than other countries based on the data showing below.

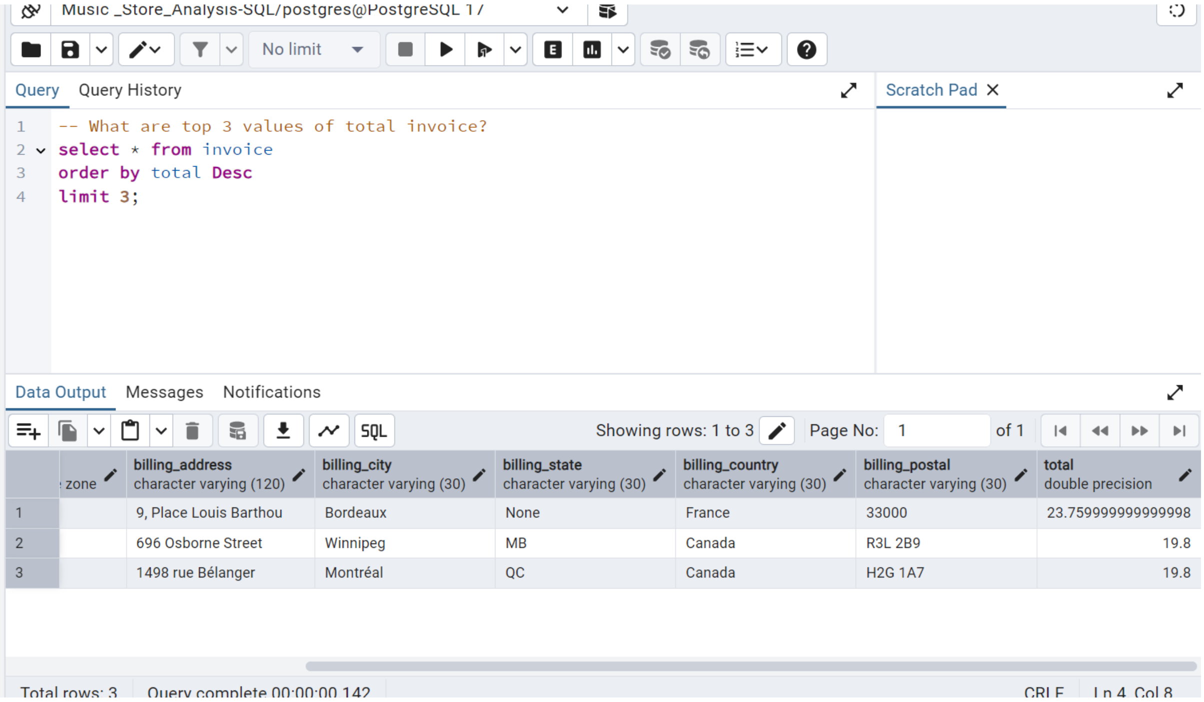


```sql
-- Which countries have the most Invoices?
Select * from invoice
order by total DESC
limit 1;
```

	zone	billing_address character varying (120)	billing_city character varying (30)	billing_state character varying (30)	billing_country character varying (30)	billing_postal character varying (30)	total double precision
1		9, Place Louis Barthou	Bordeaux	None	France	33000	23.759999999999998

- **What are top 3 values of total invoice?**

Top three values have been shown below based on the data which is (23.759999), (19.8), (19.8).



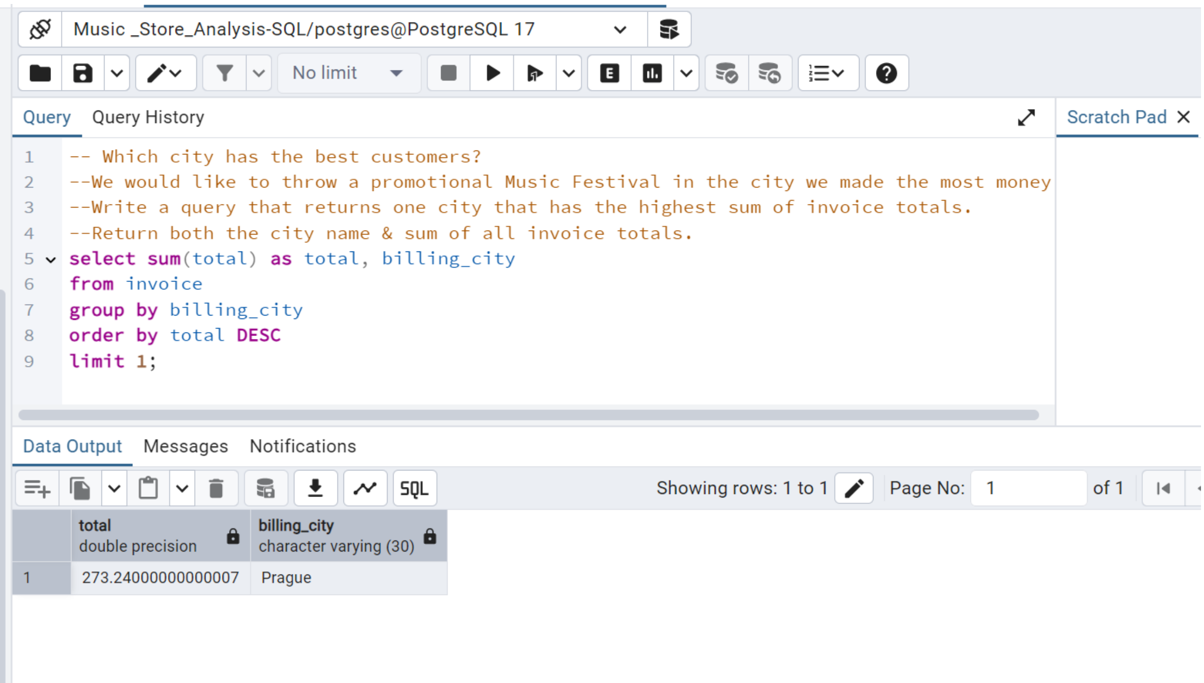
```sql
-- What are top 3 values of total invoice?
select * from invoice
order by total Desc
limit 3;
```

	zone	billing_address character varying (120)	billing_city character varying (30)	billing_state character varying (30)	billing_country character varying (30)	billing_postal character varying (30)	total double precision
1		9, Place Louis Barthou	Bordeaux	None	France	33000	23.759999999999998
2		696 Osborne Street	Winnipeg	MB	Canada	R3L 2B9	19.8
3		1498 rue Bélanger	Montréal	QC	Canada	H2G 1A7	19.8

Total rows: 3 Query complete 00:00:00.142 CRLF Ln 4, Col 8

- **Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money. Write a query that returns one city that has the highest sum of invoice totals. Return both the city name & sum of all invoice totals.**

The best customers who buy lots of music album belong from the Prague which is shown below based on the data.

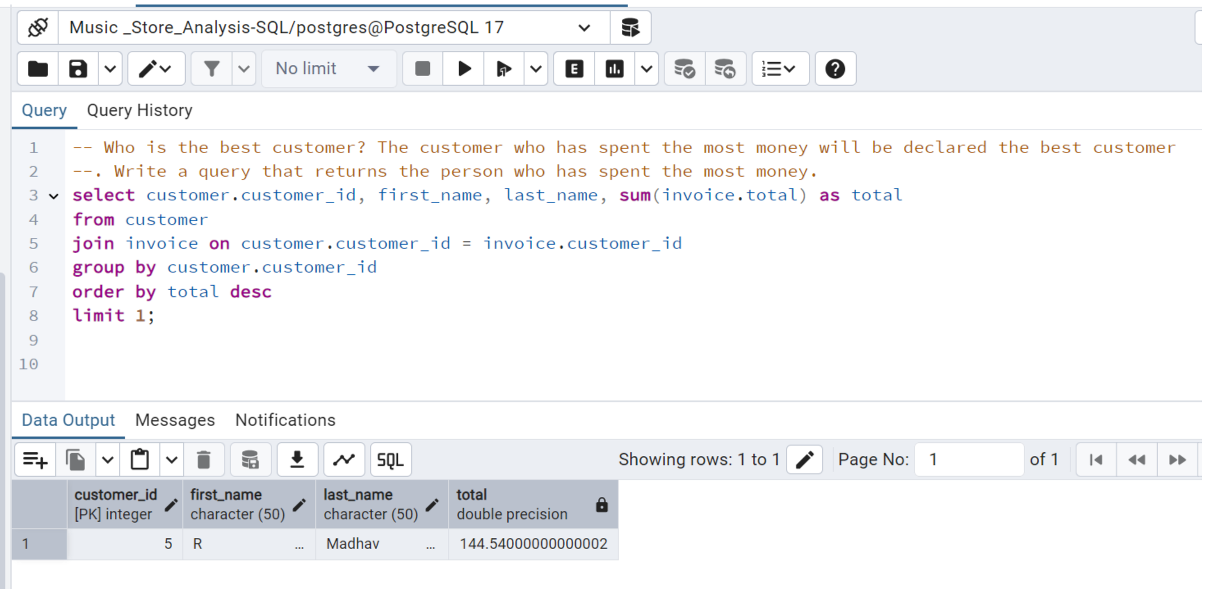


```sql
-- Which city has the best customers?
--We would like to throw a promotional Music Festival in the city we made the most money
--Write a query that returns one city that has the highest sum of invoice totals.
--Return both the city name & sum of all invoice totals.
select sum(total) as total, billing_city
from invoice
group by billing_city
order by total DESC
limit 1;
```

	total double precision	billing_city character varying (30)
1	273.24000000000007	Prague

- **Who is the best customer? The customer who has spent the most money will be declared the best customer. Write a query that returns the person who has spent the most money.**

Customer name R Madhav who did the more purchases than other and he is the best customer based on the data shown below.



Music _Store_Analysis-SQL/postgres@PostgreSQL 17

No limit

Query Query History

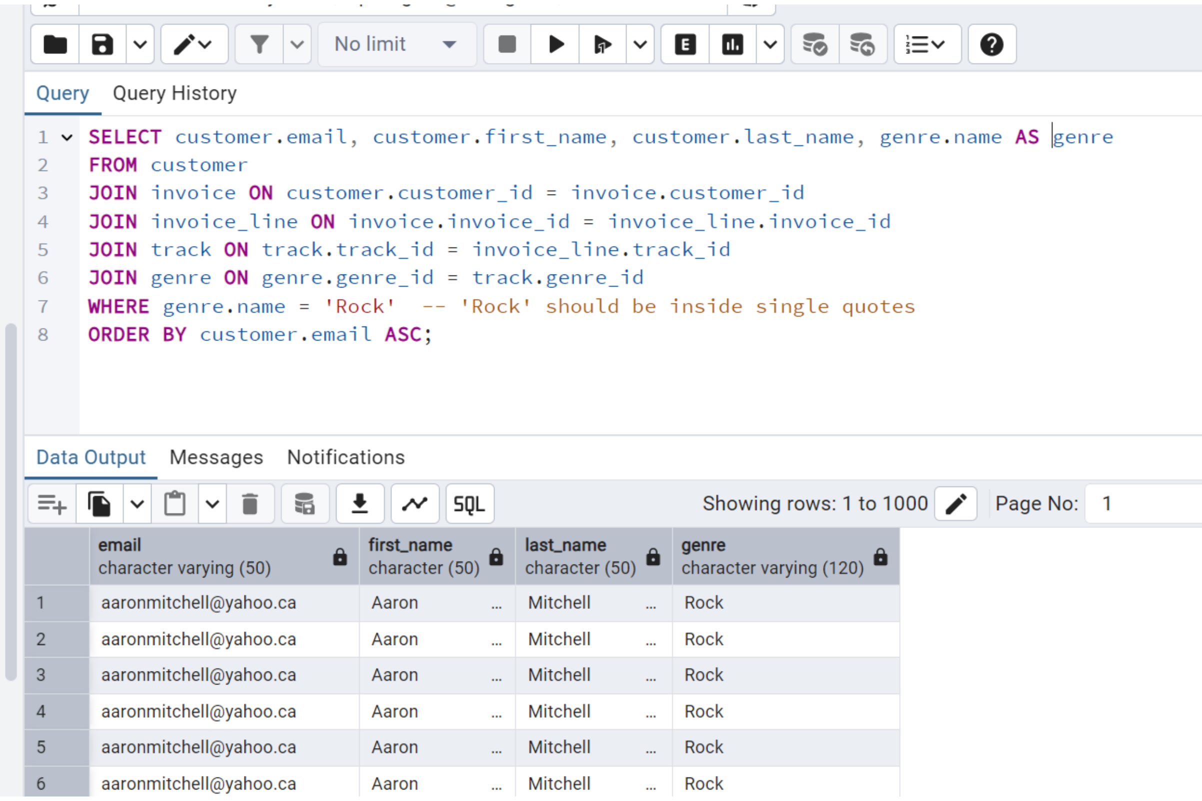
```sql
-- Who is the best customer? The customer who has spent the most money will be declared the best customer
--. Write a query that returns the person who has spent the most money.
select customer.customer_id, first_name, last_name, sum(invoice.total) as total
from customer
join invoice on customer.customer_id = invoice.customer_id
group by customer.customer_id
order by total desc
limit 1;
```

Data Output Messages Notifications

Showing rows: 1 to 1 Page No: 1 of 1

	customer_id [PK] integer	first_name character (50)	last_name character (50)	total double precision
1	5	R	Madhav	144.54000000000002

- **Write query to return the email, first name, last name, & Genre of all Rock Music listeners. Return your list ordered alphabetically by email starting with A**



```
SELECT customer.email, customer.first_name, customer.last_name, genre.name AS genre
FROM customer
JOIN invoice ON customer.customer_id = invoice.customer_id
JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_id
JOIN track ON track.track_id = invoice_line.track_id
JOIN genre ON genre.genre_id = track.genre_id
WHERE genre.name = 'Rock'  -- 'Rock' should be inside single quotes
ORDER BY customer.email ASC;
```

	email character varying (50)	first_name character (50)	last_name character (50)	genre character varying (120)
1	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
2	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
3	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
4	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
5	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock
6	aaronmitchell@yahoo.ca	Aaron ...	Mitchell ...	Rock