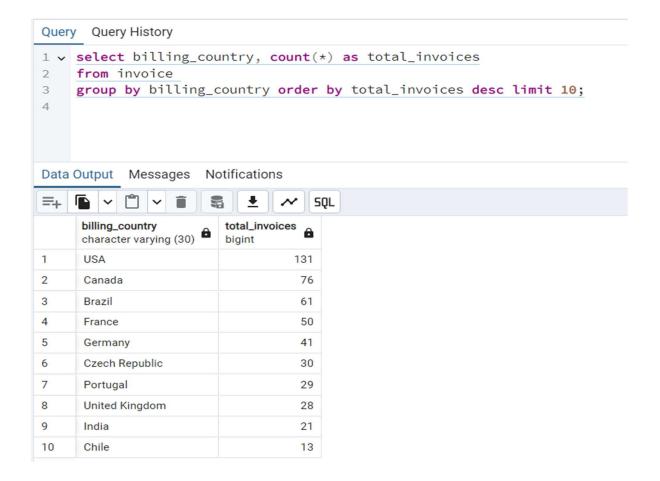
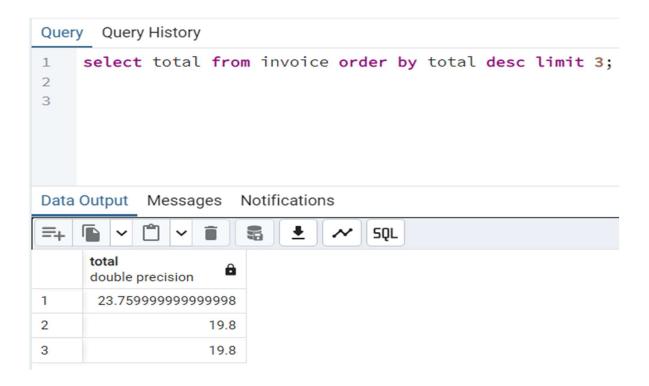
Q) Who is the senior most employee based on job title?



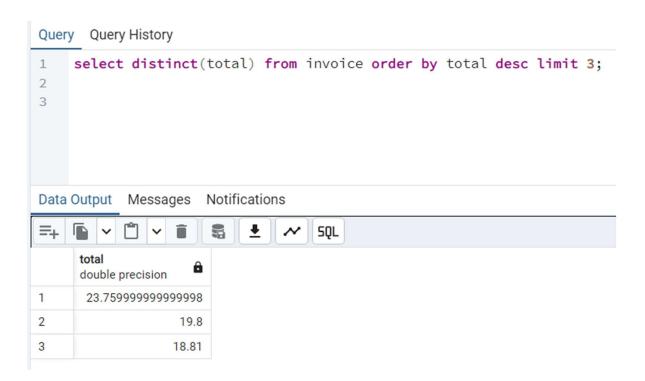
Q) Which countries have the most invoices?



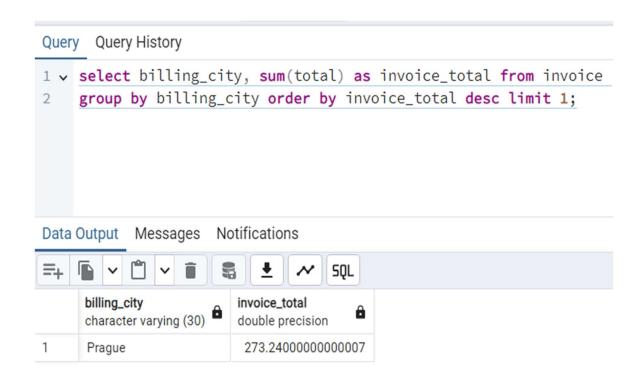
Q) What are the top 3 values of total invoice?



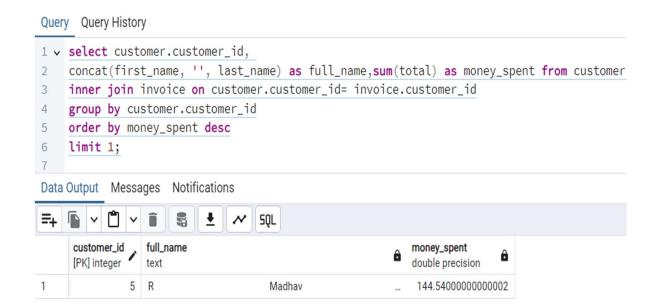
Q) What are the top 3 distinct invoice totals?



Q) Which city has best customers? A city which has the highest sum of invoice totals.



Q) Who is the best customer? The customer who has spent the most money is the best customer.



#### Q) Give details of all rock listeners.

# Query Query History

```
select distinct email, first_name, last_name,genre.name from customer
inner join invoice on customer.customer_id= invoice.customer_id
inner join invoice_line on invoice.invoice_id= invoice_line.invoice_id
inner join track on invoice_line.track_id= track.track_id
inner join genre on track.genre_id= genre.genre_id
where genre.name= 'Rock'
order by first_name,last_name;
```

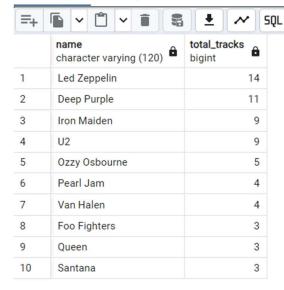
	email character varying (50)	first_name character	â	last_name character	â	name character varying (120)
1	aaronmitchell@yahoo.ca	Aaron		Mitchell		Rock
2	alero@uol.com.br	Alexandre		Rocha		Rock
3	astrid.gruber@apple.at	Astrid		Gruber	***	Rock
4	bjorn.hansen@yahoo.no	Bjørn		Hansen		Rock
5	camille.bernard@yahoo.fr	Camille		Bernard		Rock
6	daan_peeters@apple.be	Daan		Peeters		Rock
7	dmiller@comcast.com	Dan		Miller		Rock
8	diego.gutierrez@yahoo.ar	Diego		Gutiérrez	•••	Rock
9	dominiquelefebvre@gmail.c	Dominique		Lefebvre	•••	Rock
10	eduardo@woodstock.com.br	Eduardo		Martins		Rock
11	edfrancis@yachoo.ca	Edward		Francis		Rock
12	ellie.sullivan@shaw.ca	Ellie		Sullivan		Rock
13	emma_jones@hotmail.com	Emma		Jones		Rock
14	enrique_munoz@yahoo.es	Enrique		Muñoz		Rock
15	fernadaramos4@uol.com.br	Fernanda		Ramos		Rock
16	ftremblay@gmail.com	François		Tremblay		Rock
17	fharris@google.com	Frank		Harris		Rock
18	fralston@gmail.com	Frank		Ralston		Rock
19	fzimmermann@yahoo.de	Fynn		Zimmermann		Rock
20	hannah.schneider@yahoo.de	Hannah		Schneider		Rock
21	hleacock@gmail.com	Heather		Leacock		Rock
22	hholy@amail.com	Halana		Holý		Rock

# Q) Give details of top 10 rock bands

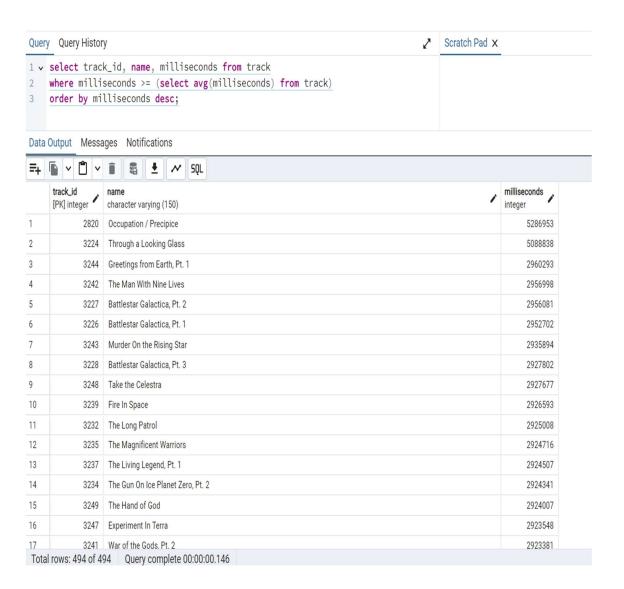
#### Query Query History

```
select distinct artist.name, count(distinct album.title) as total_tracks
from artist inner join album on artist.artist_id= album.artist_id
inner join track on album.album_id= track.album_id
inner join genre on track.genre_id= genre.genre_id
where genre.name = 'Rock'
group by artist.name
order by total_tracks desc
limit 10;
```

### Data Output Messages Notifications



Q) Return all the track names that have a song length longer than the average song length.



#### Q) How much amount spent by each customer on artists?

## Query Query History

```
select concat(trim(first_name),' ', trim(last_name)), artist.name,
sum(invoice_line.unit_price * invoice_line.quantity) as total_sales
from customer inner join invoice on customer.customer_id= invoice.customer_id
inner join invoice_line on invoice_invoice_id= invoice_line.invoice_id
inner join track on invoice_line.track_id= track.track_id
inner join album on track.album_id= album.album_id
inner join artist on album.artist_id= artist.artist_id
group by customer.customer_id, artist.artist_id
order by total_sales desc
```

	concat text	name character varying (120)	total_sales double precision
1	Hugh O'Reilly	Queen	27.71999999999985
2	Wyatt Girard	Frank Sinatra	23.75999999999999
3	François Tremblay	The Who	19.79999999999997
4	R Madhav	Kiss	19.79999999999997
5	Aaron Mitchell	James Brown	19.79999999999997
6	Helena Holý	Red Hot Chili Peppers	19.79999999999997
7	Robert Brown	Creedence Clearwater Revival	19.79999999999997
8	Hugh O'Reilly	Nirvana	18.81
9	Heather Leacock	House Of Pain	18.81
10	Niklas Schröder	Queen	18.81
11	Mark Taylor	The Clash	17.82
12	Ladislav Kovács	The Cult	17.82
13	Hugh O'Reilly	Marisa Monte	17.82
14	François Tremblay	Queen	17.82
15	R Madhav	Eric Clapton	17.82
16	Camille Bernard	Marisa Monte	17.82
17	Dan Miller	Eric Clapton	17.82
18	Luís Gonçalves	The Cult	17.82
19	Richard Cunningham	Marvin Gaye	17.82
20	Steve Murray	AC/DC	17.82
21	Fynn Zimmermann	Jimi Hendrix	16.8300000000000002
Tota	I rows: 1000 of 2189	Query complete 00:00:00.30	4 Ln 9, Col 26

```
Query Query History

1 v with x as (select customer.country, genre.genre_id, genre.name,
count(*) as number_of_tracks from customer
inner join invoice on customer.customer_id= invoice.customer_id
inner join invoice_line on invoice.invoice_id= invoice_line.invoice_id
inner join track on invoice_line.track_id= track.track_id
inner join genre on track.genre_id= genre.genre_id
group by customer.country, genre.genre_id
order by country), y as (select *, row_number()
over(partition by country order by number_of_tracks desc) from x)

select country, name, number_of_tracks from y where row_number=1;
```

	country character varying (50)	name character varying (120)	number_of_tracks bigint
1	Argentina	Alternative & Punk	17
2	Australia	Rock	34
3	Austria	Rock	40
4	Belgium	Rock	26
5	Brazil	Rock	205
6	Canada	Rock	333
7	Chile	Rock	61
8	Czech Republic	Rock	143
9	Denmark	Rock	24
10	Finland	Rock	46
11	France	Rock	211
12	Germany	Rock	194
13	Hungary	Rock	44
14	India	Rock	102
15	Ireland	Rock	72
16	Italy	Rock	35
17	Netherlands	Rock	33
18	Norway	Rock	40
19	Poland	Rock	40
20	Portugal	Rock	108
21	Spain	Rock	46
Total	rows: 24 of 24 Query	y complete 00:00:00.175	Ln 9, Col 1

```
Query Query History
1 v with x as (
    select concat(trim(first_name),' ', trim(last_name))as full_name, country,
    sum(invoice_line.unit_price * invoice_line.quantity) as total_sales
3
   from customer inner join invoice on customer.customer_id= invoice.customer_id
   inner join invoice_line on invoice.invoice_id= invoice_line.invoice_id
    group by customer.customer_id, customer.country), y as (select *,
    row_number() over(partition by country order by total_sales desc) from x)
7
8
    select full_name, country, total_sales from y where
9
10
    row_number= 1 order by country;
11
```

	full_name text	country character varying (50)	total_sales double precision
1	Diego Gutiérrez	Argentina	39.59999999999994
2	Mark Taylor	Australia	81.17999999999995
3	Astrid Gruber	Austria	69.30000000000001
4	Daan Peeters	Belgium	60.390000000000036
5	Luís Gonçalves	Brazil	108.8999999999998
6	François Tremblay	Canada	99.9899999999985
7	Luis Rojas	Chile	97.0199999999987
8	R Madhav	Czech Republic	144.53999999999985
9	Kara Nielsen	Denmark	37.61999999999999
10	Terhi Hämäläinen	Finland	79.1999999999996
11	Wyatt Girard	France	99.9899999999985
12	Fynn Zimmermann	Germany	94.0499999999988
13	Ladislav Kovács	Hungary	78.2099999999997
14	Manoj Pareek	India	111.86999999999979
15	Hugh O'Reilly	Ireland	114.83999999999978
16	Lucas Mancini	Italy	50.490000000000016
17	Johannes Van der Berg	Netherlands	65.34000000000003
18	Bjørn Hansen	Norway	72.27
19	Stanisław Wójcik	Poland	76.22999999999998
20	João Fernandes	Portugal	102.9599999999984
21	Enrique Muñoz	Spain	98.0099999999986
Total I	rows: 24 of 24 Que	ry complete 00:00:00.17	75 2200000000000000000000000000000000000