Q1. O/P

No limit

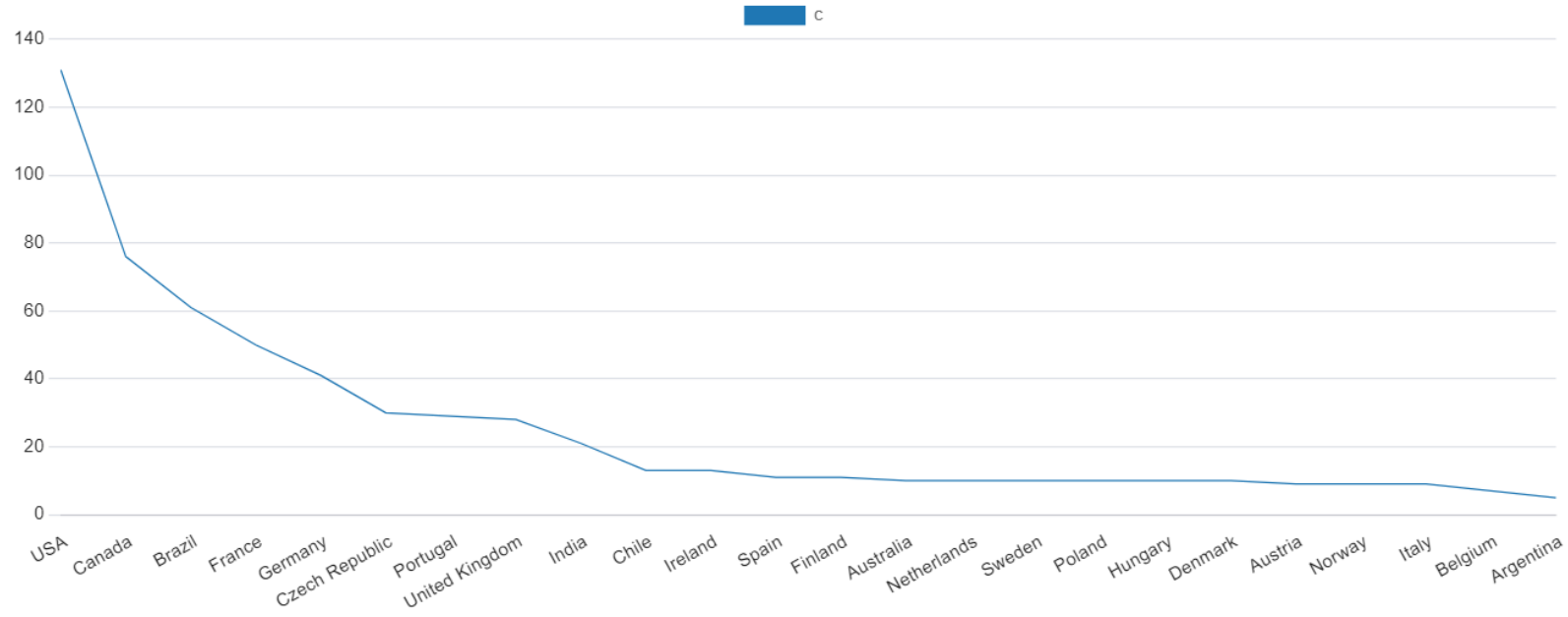
Query | Query History

```
1  /* Q1. Who is the senior most employee based on job title? */
2
3  SELECT title, last_name, first_name
4  FROM employee
5  ORDER BY levels DESC
6  LIMIT 1
7
```

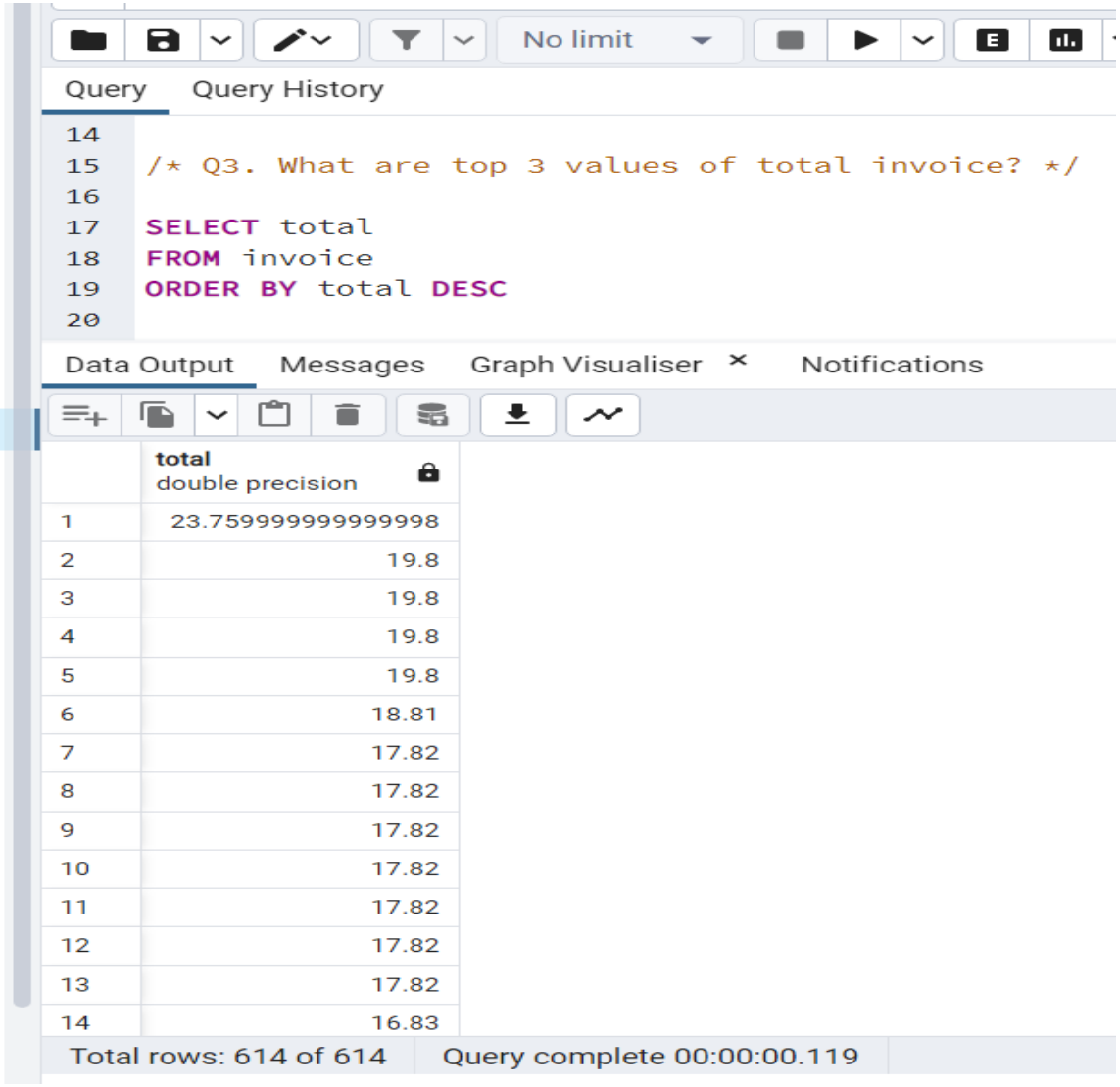
Data Output | Messages | Graph Visualiser | Notifications

	title character varying (50)	last_name character (50)	first_name character (50)
1	Senior General Manager	Madan	Mohan

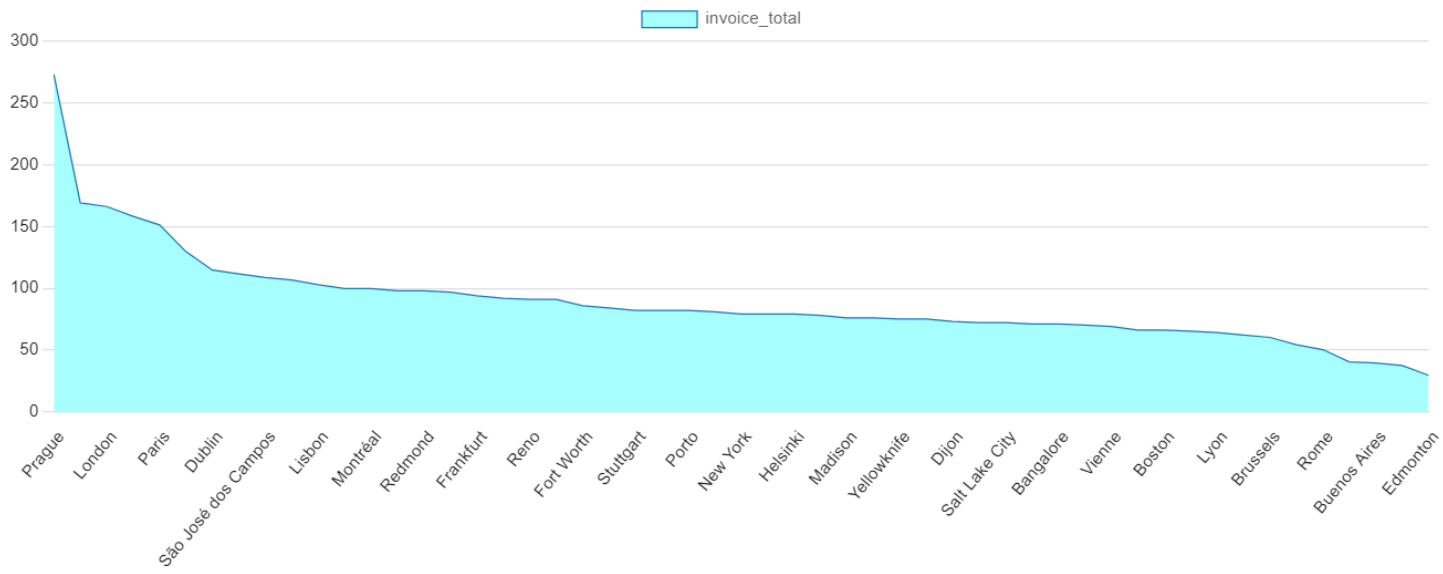
Q2. O/P



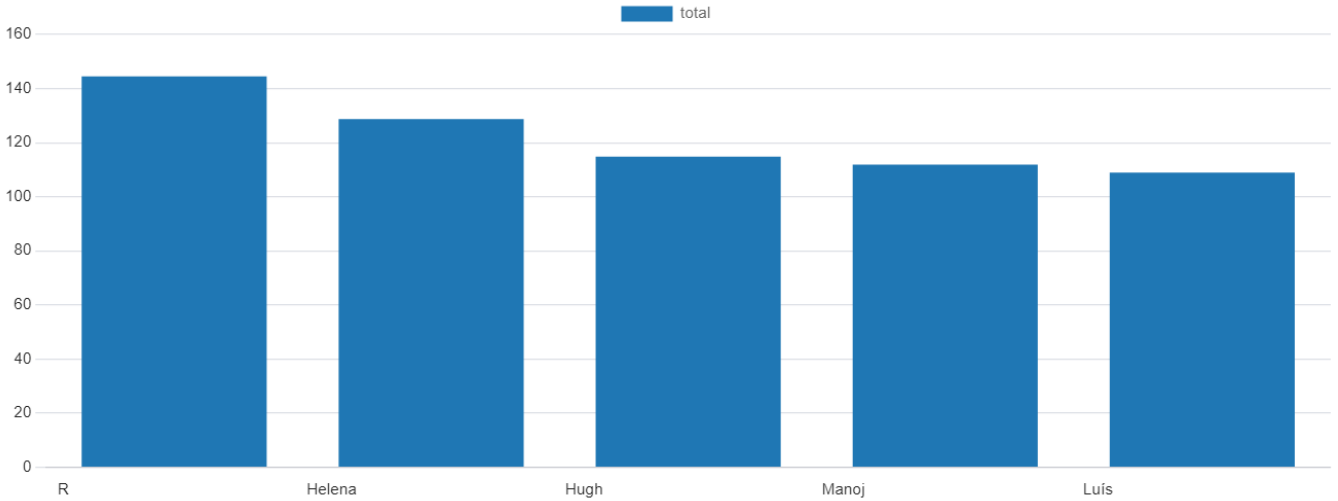
Q3. O/P


No limit
Query
Query History
14
15 /* Q3. What are top 3 values of total invoice? */
16
17 SELECT total
18 FROM invoice
19 ORDER BY total DESC
20
Data Output
Messages
Graph Visualiser
Notifications
total
double precision
1 23.759999999999998
2 19.8
3 19.8
4 19.8
5 19.8
6 18.81
7 17.82
8 17.82
9 17.82
10 17.82
11 17.82
12 17.82
13 17.82
14 16.83
Total rows: 614 of 614
Query complete 00:00:00.119

Q4. O/P


invoice_total
300
250
200
150
100
50
0
Prague
London
Paris
Dublin
São José dos Campos
Lisbon
Montréal
Redmond
Frankfurt
Reno
Fort Worth
Stuttgart
Porto
New York
Helsinki
Madison
Yellowknife
Dijon
Salt Lake City
Bangalore
Vienne
Boston
Lyon
Brussels
Rome
Buenos Aires
Edmonton

Q5. O/P


total
160
140
120
100
80
60
40
20
0
R
Helena
Hugh
Manoj
Luís

Q6. O/P

Dashboard Properties SQL Statistics Dependencies Dependents Processes postgres/postgres@PostgreSQL 15*

postgres/postgres@PostgreSQL 15

No limit

Query Query History

```
41  /* Write query to return the email, first name, last name, & Genre of all Rock Music listeners, in alphabetical order. */
42
43  SELECT DISTINCT email,first_name, last_name
44  FROM customer
45  JOIN invoice ON customer.customer_id = invoice.customer_id
46  JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_id
47  WHERE track_id IN(
48        SELECT track_id FROM track
49        JOIN genre ON track.genre_id = genre.genre_id
50        WHERE genre.name LIKE 'Rock'
51  )
52  ORDER BY email;
```

Data Output Messages Notifications

	email character varying (50)	first_name character (50)	last_name character (50)
1	aaronmitchell@yahoo.ca	Aaron	Mitchell
2	alero@uol.com.br	Alexandre	Rocha
3	astrid.gruber@apple.at	Astrid	Gruber
4	bjorn.hansen@yahoo.no	Bjørn	Hansen
5	camille.bernard@yahoo.fr	Camille	Bernard
6	daan_peeters@apple.be	Daan	Peeters
7	diego.gutierrez@yahoo.ar	Diego	Gutiérrez
8	dmiller@comcast.com	Dan	Miller
9	dominiquelefebvre@gmail.c...	Dominique	Lefebvre

Total rows: 59 of 59 Query complete 00:00:00.073 Ln 38, Col 29

Q7. O/P

Dashboard Properties SQL Statistics Dependencies Dependents Processes MSD.sql*

postgres/postgres@PostgreSQL 15

No limit

Query Query History

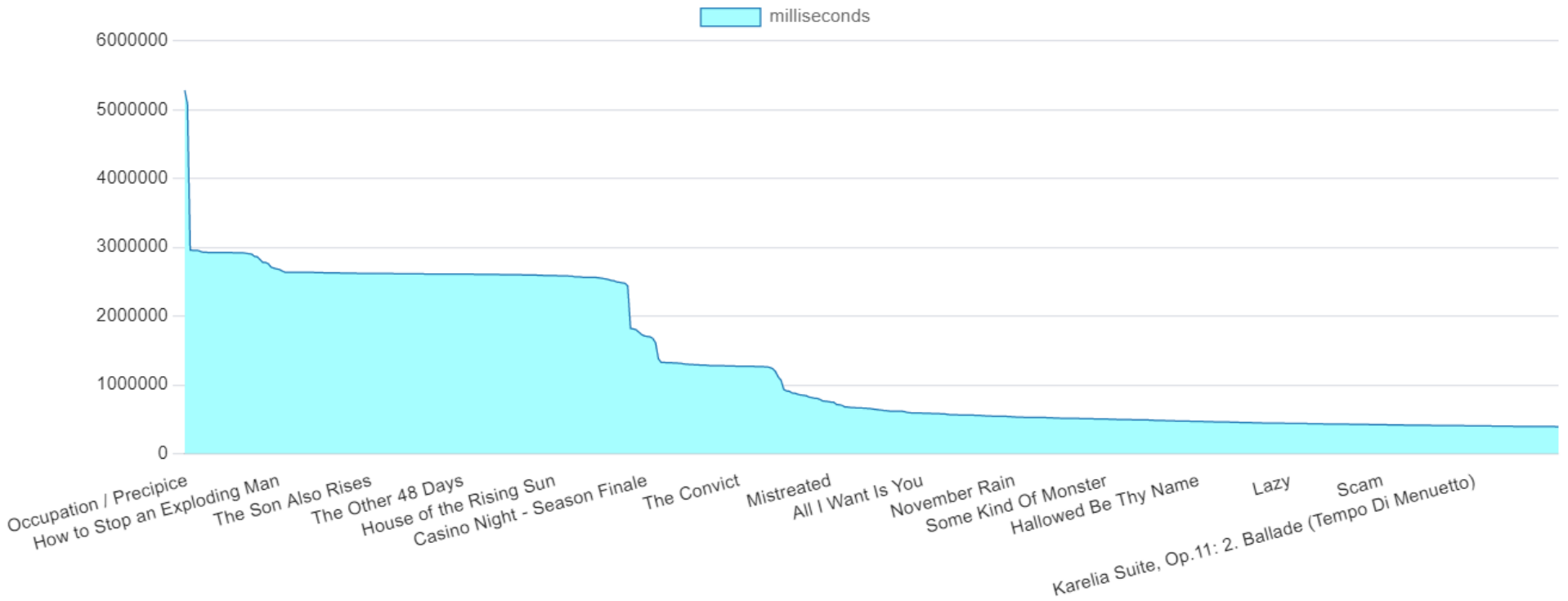
```
55  /* Q7. Let's invite the artists who have written the most rock music in our dataset.
56  Write a query that returns the Artist name and total track count of the top 10 rock bands. */
57
58  SELECT artist.artist_id, artist.name, COUNT(artist.artist_id) AS number_of_songs
59  FROM track
60  JOIN album ON album.album_id = track.album_id
61  JOIN artist ON artist.artist_id = album.artist_id
62  JOIN genre ON genre.genre_id = track.genre_id
63  WHERE genre.name LIKE 'Rock'
64  GROUP BY artist.artist_id
65  ORDER BY number_of_songs DESC
66  LIMIT 10;
```

Data Output Messages Graph Visualiser Notifications

	artist_id [PK] character varying (50)	name character varying (120)	number_of_songs bigint
1	22	Led Zeppelin	114
2	150	U2	112
3	58	Deep Purple	92
4	90	Iron Maiden	81
5	118	Pearl Jam	54
6	152	Van Halen	52
7	51	Queen	45
8	142	The Rolling Stones	41
9	76	Creedence Clearwater Revival	40
10	52	Kiss	35

Total rows: 10 of 10 Query complete 00:00:00.261 Ln 57, Col 1

Q8. O/P


milliseconds
6000000
5000000
4000000
3000000
2000000
1000000
0
Occupation / Precipice
How to Stop an Exploding Man
The Son Also Rises
The Other 48 Days
House of the Rising Sun
Casino Night - Season Finale
The Convict
Mistreated
All I Want Is You
November Rain
Some Kind Of Monster
Hallowed Be Thy Name
Lazy
Scam
Karelia Suite, Op.11: 2. Ballade (Tempo Di Menuetto)