```
# Q1 : Who is the senior most employee based on job titile?
select * from employee
ORDER BY levels desc
limit 1;
```

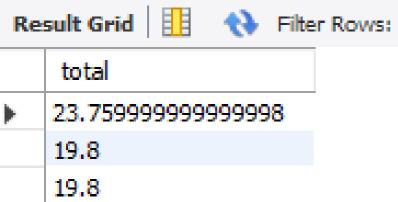


```
# Q2 : Which Country have the most invoices?
select COUNT(*), billing_country
from invoice
GROUP BY billing_country
ORDER BY billing_country desc;
```

| Res | sult Grid 📗 | Filter Rows: |
|-----|-------------|-----------------|
| | COUNT(*) | billing_country |
| * | 131 | USA |
| | 28 | United Kingdom |
| | 10 | Sweden |
| | 11 | Spain |
| | 29 | Portugal |
| | 10 | Poland |
| | 9 | Norway |
| | 10 | Netherlands |
| | 9 | Italy |
| | 13 | Ireland |
| | 21 | India |
| | 10 | Hungary |

Export:

```
# Q3 : What are top 3 values of total invoice?
select total from invoice
ORDER BY total desc
Limit 3;
```



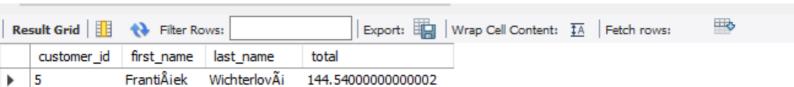
Export:

```
/* Q4 : 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 invoices totals.Return both the city name & sum of all invoice */
select SUM(total) as invoice_total, billing_city
from invoice
GROUP BY billing_city
ORDER BY invoice_total desc;
```

| sult Grid 🎹 🛮 🙌 Filte | Export: | | Wrap | |
|-------------------------|--|---|---|--|
| invoice_total | billing_city | | | |
| 273.24000000000007 | Prague | | | |
| 169.29 | Mountain View | | | |
| 166.32 | London | | | |
| 158.4 | Berlin | | | |
| 151.47 | Paris | | | |
| 129.69 | São Paulo | | | |
| 114.83999999999997 | Dublin | | | |
| 111.86999999999999 | Delhi | | | |
| 108.8999999999998 | São José dos Campos | | | |
| 106.9199999999999 | BrasÃ-lia | | | |
| 102.96000000000001 | Lisbon | | | |
| 99.99 | Bordeaux | | | |
| | invoice_total 273.240000000000007 169.29 166.32 158.4 151.47 129.69 114.83999999999999 108.8999999999999 108.899999999999999999999999999999999999 | 273.24000000000007 Prague 169.29 Mountain View 166.32 London 158.4 Berlin 151.47 Paris 129.69 São Paulo 114.8399999999999 Dublin 111.8699999999999 Delhi 108.899999999999 São José dos Campos 106.9199999999999 BrasÃ-lia 102.96000000000001 Lisbon | invoice_total billing_city 273.24000000000007 Prague 169.29 Mountain View 166.32 London 158.4 Berlin 151.47 Paris 129.69 São Paulo 114.8399999999997 Dublin 111.8699999999999 Delhi 108.899999999999 São José dos Campos 106.9199999999999 BrasÃ-lia 102.96000000000001 Lisbon | invoice_total billing_city 273.24000000000007 Prague 169.29 Mountain View 166.32 London 158.4 Berlin 151.47 Paris 129.69 São Paulo 114.8399999999997 Dublin 111.8699999999999 Delhi 108.89999999999 São José dos Campos 106.9199999999999 BrasÃ-lia 102.96000000000001 Lisbon |

```
/* Q5: Who is the best customer? The customer who has spent the most money will declare the best customer.
    Write a query that returns the person who has spent the most money? */

SELECT customer.customer_id, customer.first_name, customer.last_name, SUM(invoice.total) AS total
FROM customer
JOIN invoice ON customer.customer_id = invoice.customer_id
GROUP BY customer.customer_id, customer.first_name, customer.last_name
ORDER BY total DESC
LIMIT 1;
```



```
Q6 : 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 DISTINCT email, first_name, last_name

FROM customer

JOIN invoice ON customer.customer_id = invoice.customer_id

JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_id

WHERE track_id IN(

select track_id FROM track

JOIN genre ON track.genre_id = genre.genre_id

WHERE genre.name LIKE 'Rock'

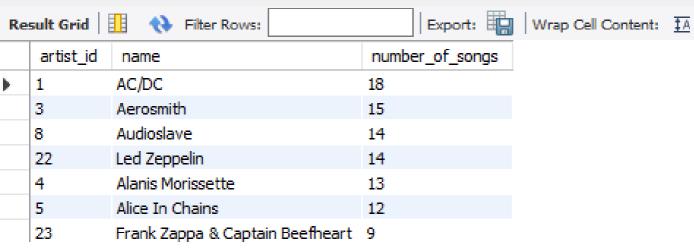
)

ORDER BY email;
```



ORDER BY number_of_songs DESC

LIMIT 10;



```
Q8 : Return all the track names that have a song length longer than the average song length.

Return the name and milliseconds for each track. Order by the song length with the longest songs listed first.*/

SELECT name, milliseconds

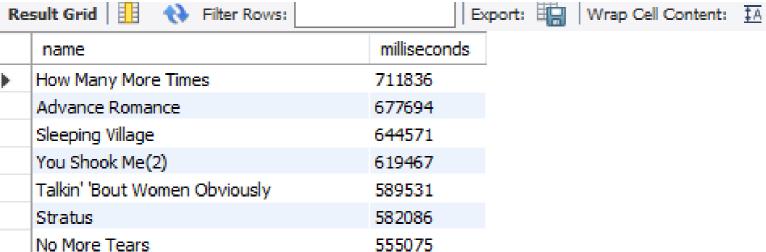
FROM track

WHERE milliseconds > (

SELECT AVG(milliseconds) AS avg_track_length

FROM track)

ORDER BY milliseconds DESC;
```



509413

494524

494393

491885 482429

The Alchemist

Book Of Thel

Terra

Wheels Of Confusion / The Straightener

You Oughta Know (Alternate)