Music Store Data Analysis Queries:

Q1: Who is the senior most employee by age?
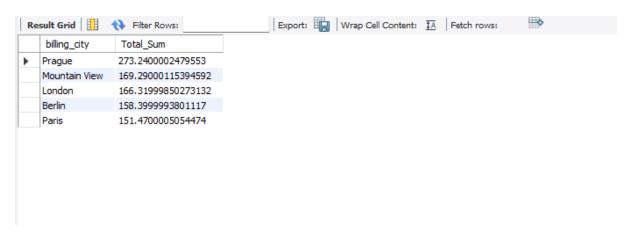
first_name	last_name	age
Margaret	Park	76
Nancy	Edwards	65
Mohan	Madan	62
Andrew	Adams	61
Steve	Johnson	58
Laura	Callahan	56
Robert	King	53
Jane	Peacock	50
Michael	Mitchell	50

Q2: Which countries have the most Invoices?

billing_country	Total
USA	131
Canada	76
Brazil	61
France	50
Germany	41
Czech Republic	30
Portugal	29
United Kingdom	28
India	21
Ireland	13
Chile	13
Finland	11

Q3: What are top 3 values of total invoice?

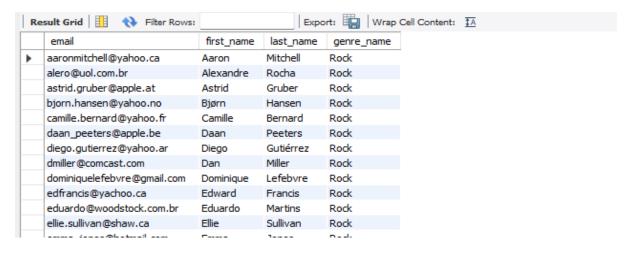| total |
|---|
| 23.76 |
| 19.8 |
| 18.81 |
| 17.82 |
| 16.83 |
| 15.84 |
| 14.85 |
| 13.86 |
| 12.87 |
| 11.88 |
| 10.89 |
| 9.9 |
| 8.91 |

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 invoice totals. Return both the city name & sum of all invoice totals.

billing_city	Total_Sum
Prague	273.2400002479553
Mountain View	169.29000115394592
London	166.31999850273132
Berlin	158.3999993801117
Paris	151.4700005054474

Q5: 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_id	first_name	last_name	invoice_sum
5	František	Wichterlová	144.5399980545044

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.

email	first_name	last_name	genre_name
aaronmitchell@yahoo.ca	Aaron	Mitchell	Rock
alero@uol.com.br	Alexandre	Rocha	Rock
astrid.gruber@apple.at	Astrid	Gruber	Rock
bjorn.hansen@yahoo.no	Bjørn	Hansen	Rock
camille.bernard@yahoo.fr	Camille	Bernard	Rock
daan_peeters@apple.be	Daan	Peeters	Rock
diego.gutierrez@yahoo.ar	Diego	Gutiérrez	Rock
dmiller@comcast.com	Dan	Miller	Rock
dominiquelefebvre@gmail.com	Dominique	Lefebvre	Rock
edfrancis@yachoo.ca	Edward	Francis	Rock
eduardo@woodstock.com.br	Eduardo	Martins	Rock
ellie.sullivan@shaw.ca	Ellie	Sullivan	Rock

Q7: Let's invite the artists who have written the most rock music in our dataset. Write a query that returns the Artist name and total track count of the top 10 rock bands.

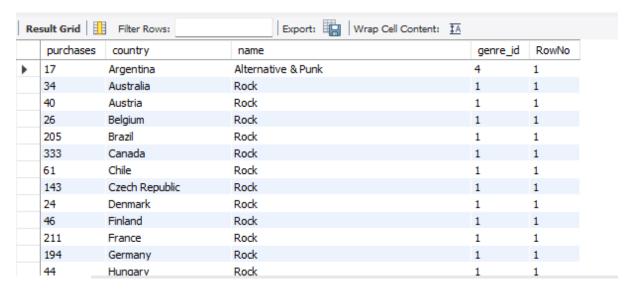| artist_id	name	Number_of_tracks
22	Led Zeppelin	114
150	U2	112
58	Deep Purple	92
90	Iron Maiden	81
118	Pearl Jam	54
152	Van Halen	52
51	Queen	45
142	The Rolling Stones	41
76	Creedence Clearwater Revival	40
52	Kiss	35

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.

Track_name	Song_Length
Occupation / Precipice	5286953
Through a Looking Glass	5088838
Greetings from Earth, Pt. 1	2960293
The Man With Nine Lives	2956998
Battlestar Galactica, Pt. 2	2956081
Battlestar Galactica, Pt. 1	2952702
Murder On the Rising Star	2935894
Battlestar Galactica, Pt. 3	2927802
Take the Celestra	2927677
Fire In Space	2926593
The Long Patrol	2925008
The Magnificent Warriors	2924716
The Living Legend, Pt. 1	2924507

Q9: Find how much amount spent by each customer on artists? Write a query to return customer name, artist name and total spent.

customer_id	first_name	last_name	name	Total_selling
46	Hugh	O Reilly	Queen	27.72000026702881
42	Wyatt	Girard	Frank Sinatra	23.760000228881836
3	François	Tremblay	The Who	19.800000190734863
5	František	Wichterlová	Kiss	19.800000190734863
6	Helena	Holý	Red Hot Chili Peppers	19.800000190734863
29	Robert	Brown	Creedence Clearwater Revival	19.800000190734863
32	Aaron	Mitchell	James Brown	19.800000190734863
22	Heather	Leacock	House Of Pain	18.81000018119812
38	Niklas	Schröder	Queen	18.81000018119812
46	Hugh	O Reilly	Nirvana	18.81000018119812
1	Luís	Gonçalves	The Cult	17.820000171661377
3	François	Tremblay	Queen	17.820000171661377
5	František	Wichterlová	Eric Clapton	17.820000171661377

Q10: We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre with the highest amount of purchases. Write a query that returns each country along with the top Genre. For countries where the maximum number of purchases is shared return all Genres.

purchases	country	name	genre_id	RowNo
17	Argentina	Alternative & Punk	4	1
34	Australia	Rock	1	1
40	Austria	Rock	1	1
26	Belgium	Rock	1	1
205	Brazil	Rock	1	1
333	Canada	Rock	1	1
61	Chile	Rock	1	1
143	Czech Republic	Rock	1	1
24	Denmark	Rock	1	1
46	Finland	Rock	1	1
211	France	Rock	1	1
194	Germany	Rock	1	1
44	Hungary	Rock	1	1

Q11: Write a query that determines the customer that has spent the most on music for each country. Write a query that returns the country along with the top customer and how much they spent. For countries where the top amount spent is shared, provide all customers who spent this amount.

customer_id	first_name	last_name	billing_country	Total	row_num
56	Diego	Gutiérrez	Argentina	39.59999918937683	1
55	Mark	Taylor	Australia	81.18000030517578	1
7	Astrid	Gruber	Austria	69.29999899864197	1
8	Daan	Peeters	Belgium	60.389999866485596	1
1	Luís	Gonçalves	Brazil	108.8999993801117	1
3	François	Tremblay	Canada	99.98999810218811	1
57	Luis	Rojas	Chile	97.01999974250793	1
5	František	Wichterlová	Czech Republic	144.5399980545044	1
9	Kara	Nielsen	Denmark	37.6199996471405	1
44	Terhi	Hämäläinen	Finland	79.20000052452087	1
42	Wyatt	Girard	France	99.98999905586243	1
37	Fynn	Zimmermann	Germany	94.04999947547913	1
45	Ladislav	Kovács	Hungary	78.2099997997284	1