SQL PROJECT- MUSIC STORE DATA ANALYSIS

Question Set 1 – Easy

1. Who is the senior most employee based on job title?
Ans. Madan Mohan

2. Which countries have the most Invoices?
Ans. USA , frequency =131

3. What are top 3 values of total invoice?
Ans.

23.759999999999998
19.8
19.8

4. 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 !
Ans.

"Prague"	total invoice : 273.

5. 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 !
Ans.

"first_name"	"last_name"	"total_invoice"
R	Madhav	144.54000000000002

Question Set 2 – Moderate

1. 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 !
Ans.

Top 5 output

first_name	last_name	email
Aaron	Mitchell	aaronmitchell@yahoo.ca
Aaron	Mitchell	aaronmitchell@yahoo.ca
Aaron	Mitchell	aaronmitchell@yahoo.ca
Aaron	Mitchell	aaronmitchell@yahoo.ca
Aaron	Mitchell	aaronmitchell@yahoo.ca

2. 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 !
Ans.

artist_id	name	frequency
22	Led Zeppelin	114

3. 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

Ans.

Top 10 Output

name	milliseconds
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

Question Set 3 – Advance

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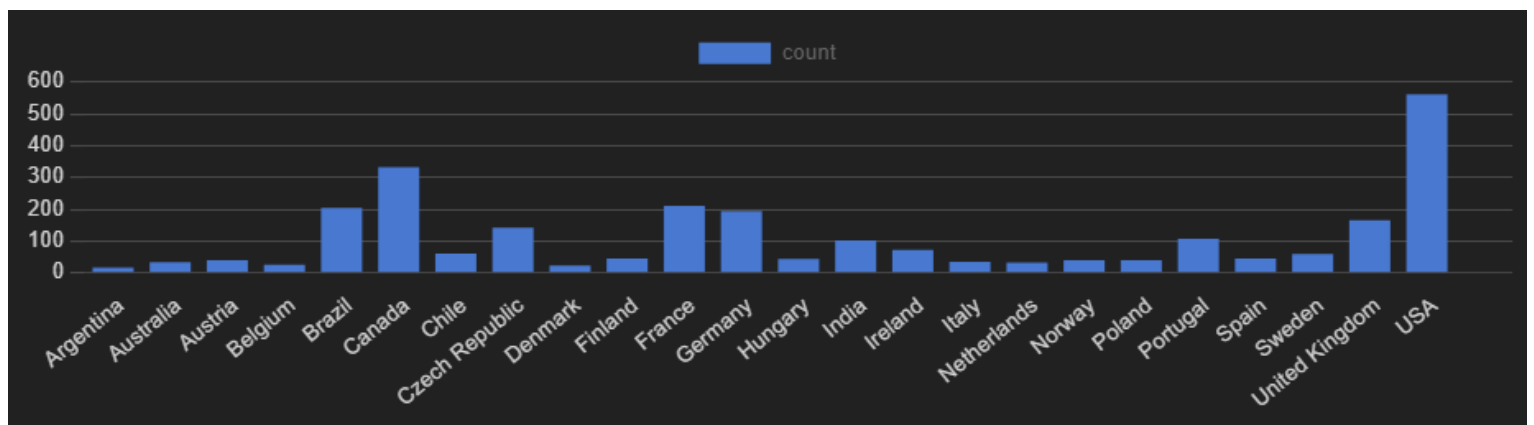Ans.

Top 5 output

concat	artist_name	total_cost
Puja Srivastava	Queen	190.08
Niklas Schröder	Queen	190.08
Dan Miller	Queen	190.08
Terhi Hämäläinen	Queen	190.08
Tim Goyer	Queen	190.08

2. 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.
Ans.

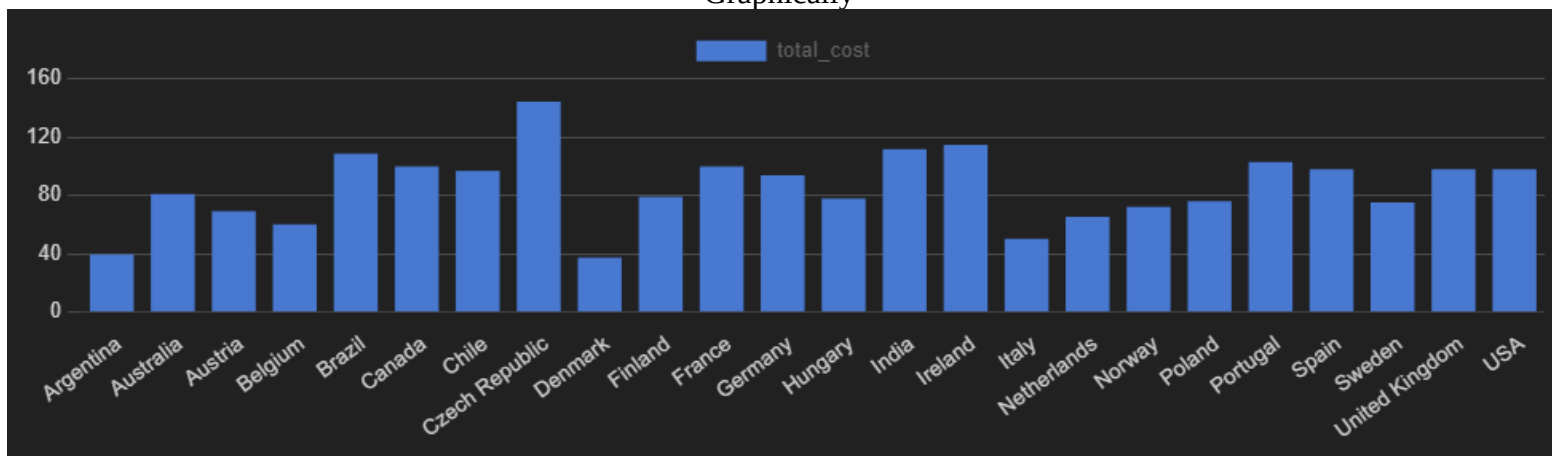| country	name	count	index1
Argentina	Alternative & Punk	17	1
Australia	Rock	34	1
Austria	Rock	40	1
Belgium	Rock	26	1
Brazil	Rock	205	1
Canada	Rock	333	1
Chile	Rock	61	1
Czech Republic	Rock	143	1
Denmark	Rock	24	1
Finland	Rock	46	1
France	Rock	211	1
Germany	Rock	194	1
Hungary	Rock	44	1
India	Rock	102	1
Ireland	Rock	72	1
Italy	Rock	35	1
Netherlands	Rock	33	1
Norway	Rock	40	1
Poland	Rock	40	1
Portugal	Rock	108	1
Spain	Rock	46	1
Sweden	Rock	60	1
United Kingdom	Rock	166	1
USA	Rock	561	1
NULL	Latin	0	1

Graphically

count according with country

3. 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 !
Ans.

customer_id	first_name	last_name	billing_country	total_cost	index1
56	Diego	Gutiérrez	Argentina	39.6	1
55	Mark	Taylor	Australia	81.18	1
7	Astrid	Gruber	Austria	69.3	1
8	Daan	Peeters	Belgium	60.39	1
1	Luís	Gonçalves	Brazil	108.9	1
3	François	Tremblay	Canada	99.99	1
57	Luis	Rojas	Chile	97.02	1
5	R	Madhav	Czech Republic	144.54	1
9	Kara	Nielsen	Denmark	37.62	1
44	Terhi	Hämäläinen	Finland	79.2	1
42	Wyatt	Girard	France	99.99	1
37	Fynn	Zimmermann	Germany	94.05	1
45	Ladislav	Kovács	Hungary	78.21	1
58	Manoj	Pareek	India	111.87	1
46	Hugh	O'Reilly	Ireland	114.84	1
47	Lucas	Mancini	Italy	50.49	1
48	Johannes	Van der Berg	Netherlands	65.34	1
4	Bjørn	Hansen	Norway	72.27	1
49	Stanisław	Wójcik	Poland	76.23	1
34	João	Fernandes	Portugal	102.96	1
50	Enrique	Muñoz	Spain	98.01	1
51	Joakim	Johansson	Sweden	75.24	1
53	Phil	Hughes	United Kingdom	98.01	1
17	Jack	Smith	USA	98.01	1

Graphically

total_cost according to country