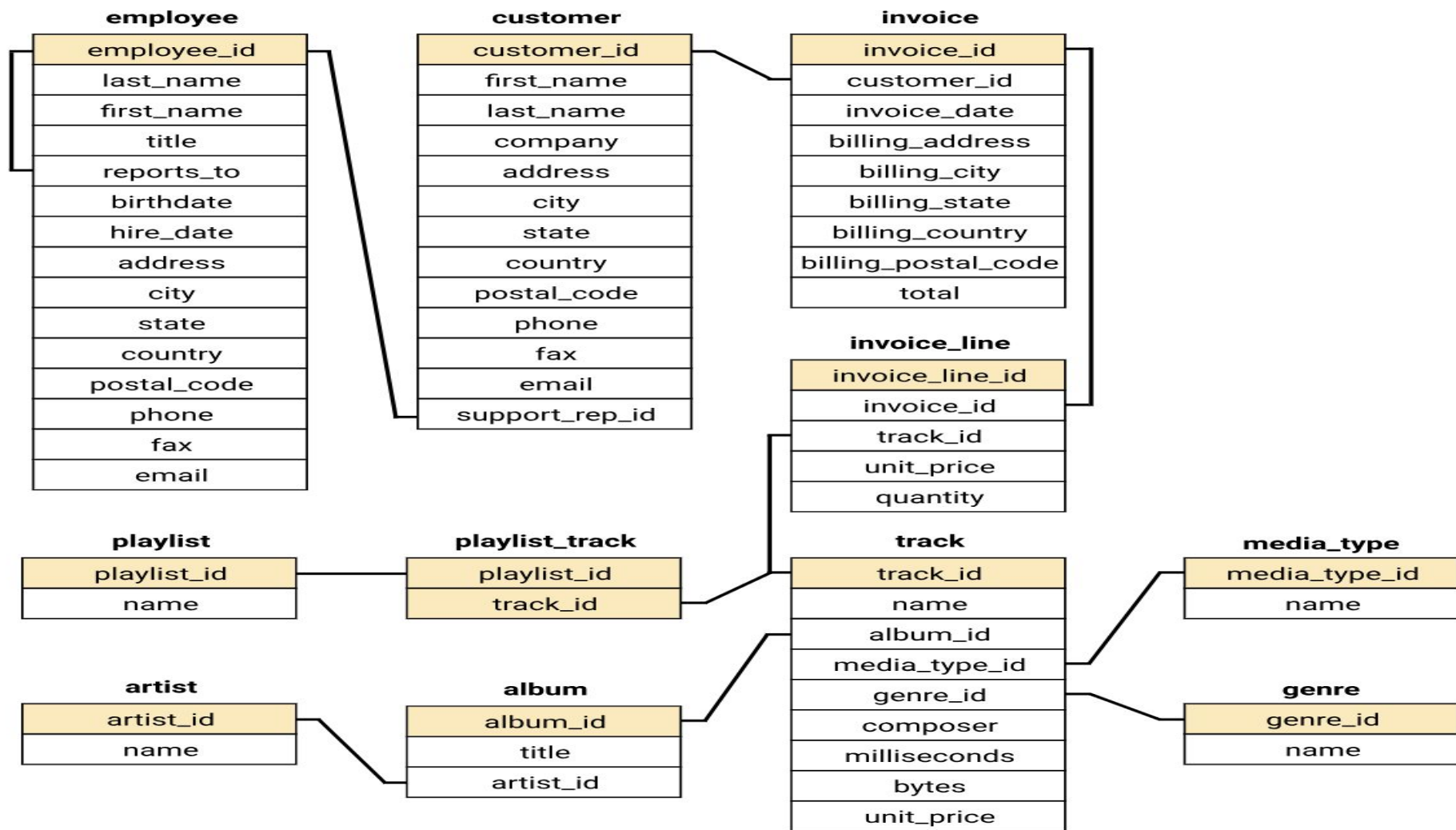


Music Store Data Analysis Project




...

By Ankita Tiwari



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



```
select * from employee  
order by levels  
limit 1;
```

result Grid   Filter Rows: <input type="text"/>						Export: 	Wrap Cell Content:
employee_id	last_name	first_name	title	reports_to	levels		
3	Peacock	Jane	Sales Support Agent	2	L1		

2. Which countries have the most invoices ?



```
select count(*) as c , billing_country from invoice
group by billing_country
order by c desc;
```

output

Result Grid					Filter Rows:	Ex
	c	billing_country				
▶	131	USA				
	76	Canada				
	61	Brazil				
	50	France				
	41	Germany				
	30	Czech Republic				
	29	Portugal				
	28	United Kingdom				
	21	India				
	13	Ireland				
	13	Chile				
	11	Finland				

3 . What are top 3 values of total invoice ?



```
select total from invoice  
order by total desc  
limit 3;
```

Result Grid				Filter
	total			
▶	23.759999999999998			
	19.8			
	19.8			

/* 4 which city has the best customers ? we would like to through 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 and sum of all invoice totals. */

```
select sum(total) as invoice_total , billing_city from invoice  
group by billing_city  
order by invoice_total desc ;
```

output

Result Grid   Filter Rows: <input data-bbox="1023 256 1420 316" type="text"/>		
	invoice_total	billing_city
▶	273.24000000000007	Prague
	169.29	Mountain View
	166.32	London
	158.4	Berlin
	151.47	Paris
	129.69	SÃ£o Paulo
	114.83999999999997	Dublin
	111.86999999999999	Delhi
	108.89999999999998	SÃ£o JosÃ© dos Campos
	106.91999999999999	BrasÃ-lia
	102.96000000000001	Lisbon
	99.99	Bordeaux

Write query to return the email , firstname ,last name and genre of all rock music return your list ordered alphabetically by email starting with A

```
select email , first_name , last_name
from customer
join invoice on
invoice.customer_id = customer.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 asc ;
```

output

Result Grid				Filter Rows:		E
	email	first_name	last_name			
▶	aaronmitchell@yahoo.ca	Aaron	Mitchell			
	aaronmitchell@yahoo.ca	Aaron	Mitchell			
	aaronmitchell@yahoo.ca	Aaron	Mitchell			
	aaronmitchell@yahoo.ca	Aaron	Mitchell			
	alero@uol.com.br	Alexandre	Rocha			
	astrid.gruber@apple.at	Astrid	Gruber			
	astrid.gruber@apple.at	Astrid	Gruber			
	astrid.gruber@apple.at	Astrid	Gruber			
	astrid.gruber@apple.at	Astrid	Gruber			
	astrid.gruber@apple.at	Astrid	Gruber			
	astrid.gruber@apple.at	Astrid	Gruber			
	bjorn.hansen@yahoo.no	Björn	Hansen			

Q . Longest song in milliseconds

```
50 • select name , milliseconds from track
51 where milliseconds > ( select avg(milliseconds) as avg_track_len from track)
52 order by milliseconds desc;
53
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
name		milliseconds	
▶	How Many More Times	711836	
	Advance Romance	677694	
	Sleeping Village	644571	
	You Shook Me(2)	619467	
	Talkin' Bout Women Obviously	589531	
	Stratus	582086	
	No More Tears	555075	
	The Alchemist	509413	
	Wheels Of Confusion / The Straightener	494524	
	Book Of Thel	494393	

Most popular music genre for each country

```
with popular_genre as
( select count(invoice_line.quantity) as purchases , customer.country ,
genre.name , genre.genre_id ,
row_number() over(partition by customer.country
order by count(invoice_line.quantity) desc) as rowno
from invoice_line
join invoice on invoice.invoice_id = invoice_line.invoice_id
join customer on customer.customer_id = invoice.customer_id
join track on track.track_id = invoice_line.track_id
join genre on genre.genre_id = track.genre_id
group by 2,3,4
order by 2 asc , 1 desc )
select* from popular_genre where rowno <= 1
```

output

	purchases	country	name	genre_id	rowno
►	1	Argentina	Rock	1	1
	18	Australia	Rock	1	1
	6	Austria	Rock	1	1
	5	Belgium	Rock	1	1
	26	Brazil	Rock	1	1
	57	Canada	Rock	1	1
	7	Chile	Rock	1	1
	14	Czech Republic	Rock	1	1
	6	Denmark	Rock	1	1
	6	Finland	Rock	1	1

Customer who has spent most on music for each country

```
WITH Customer_with_country as (  
    select customer.customer_id , first_name , last_name , billing_country ,  
    sum(total) as total_spending ,  
    row_number() over (partition by billing_country order by sum(total)  
    desc) as rowno  
from invoice  
join customer on customer.customer_id = invoice.customer_id  
group by 1,2,3,4  
order by 4 asc , 5 desc)  
select * from Customer_with_country where rowno <= 1
```


output

customer_id	first_name	last_name	billing_country	total_spending	rowno
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	60.38999999999999	1
1	Luís	Gonçalves	Brazil	108.89999999999998	1
3	François	Tremblay	Canada	99.99	1
57	Luis	Rojas	Chile	97.02000000000001	1
5	František	Wichterlová	Czech Republic	144.54000000000002	1
9	Kara	Nielsen	Denmark	37.61999999999999	1
44	Terhi	Hämäläinen	Finland	79.2	1