



HELLO MY NAME IS SUJATHA IN THIS PROJECT I  
HAVE UTILIZED SQL QUERY TO SOLVE QUESTIONS  
THAT ARE RELATED TO MUSIC STORE DATA

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**1. FIND SENIOR MOST EMPLOYEE  
BASED ON JOB**

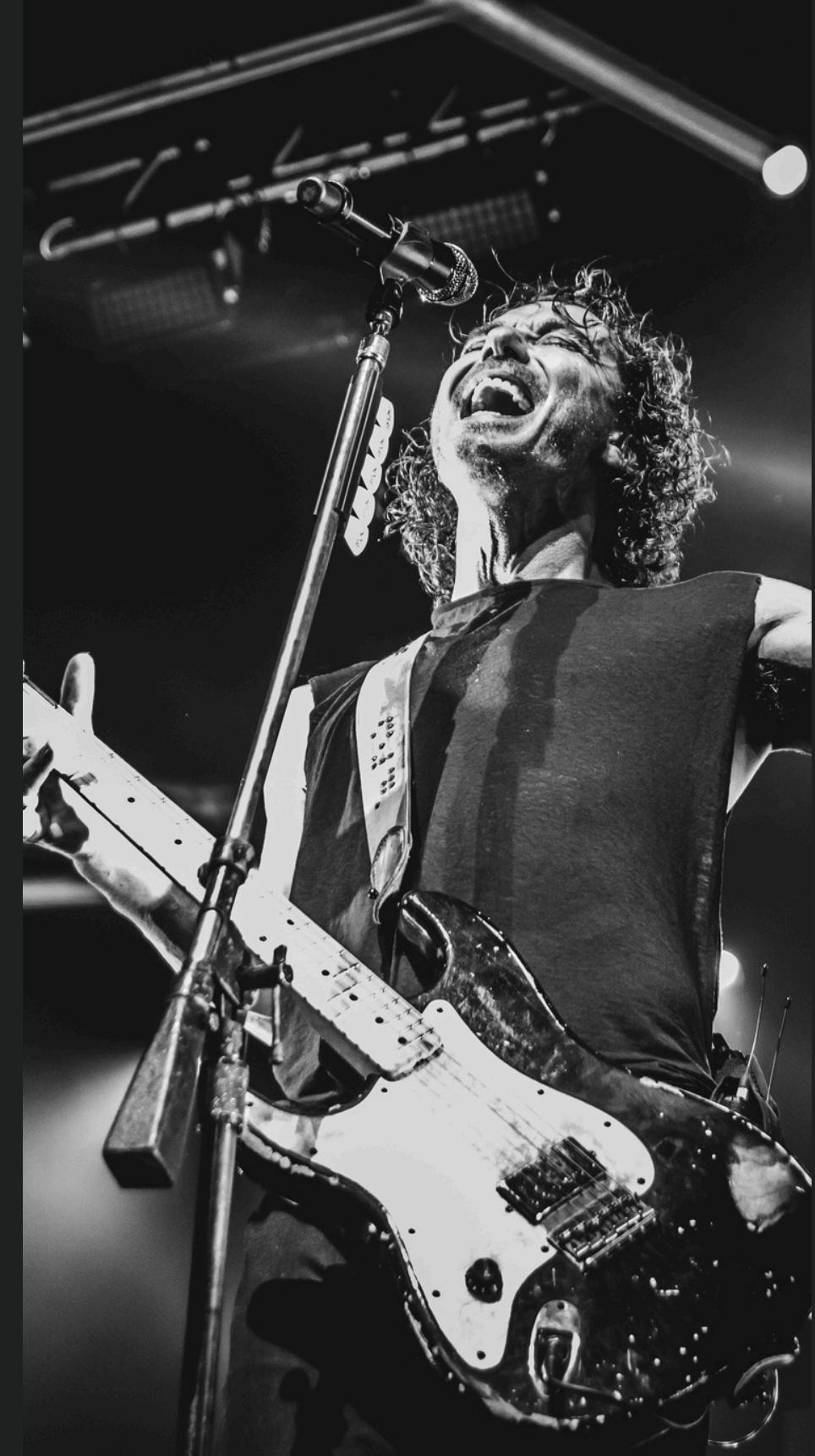
**2. WHICH OF THE COUNTRIES HAVE  
MOST INVOICES**

**3. WHAT ARE THE TOP 3 VALUES OF  
TOTAL INVOICE**



**4. WHICH CITY HAS THE BEST CUSTOMERS ? WRITE A QUERY THAT RETURNS ONE CITY THAT HAS HIGHEST SUM OF INVOICE TOTALS , RETURN BOTH CITY NAME AND SUM OF ALL INVOICE TOTALS**

**5.WHO IS THE BEST CUSTOMER ? THE CUSTOMER WHO HAS SPENT MOST MONEY WILL BE DECLARED THE BEST CUSTOMER .WRITE A QUERY THAT RETURNS THE PERSON WHO HAS SPENT THE MOST MONEY**



**6. 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 .**

**7. WRITE A QUERY THAT RETURNS THE ARTIST NAME AND TOTAL TRACK COUNT OF THE TOP 10 ROCK BRANDS .**



**8. RETURN ALL THE TRACK NAMES THAT HAVE A SONG LENGTH LONGER THAN AVERAGE SONG LENGTH  
.RETURN THE NAME AND MILLISECONDS FOR EACH TRACK ORDER BY THE LENGTH WITH THE LONGEST SONGS LISTED FIRST.**





# 1.FIND SENIOR MOST EMPLOYEE BASED ON JOB

**SELECT**

\*

**FROM**

**EMPLOYEE**

**ORDER BY LEVELS DESC**

**LIMIT 1 ;**

employee_id	last_name	first_name	title
9	Madan	Mohan	Senior General Manager



## 2. WHICH OF THE COUNTRIES HAVE MOST INVOICES

SELECT  
BILLING\_COUNTRY, COUNT(\*)  
FROM  
INVOICE  
GROUP BY BILLING\_COUNTRY ;

	billing_country	COUNT(*)
▶	USA	131
	Canada	76
	France	50
	Poland	10
	India	21
	Germany	41

Result 2



### 3. WHAT ARE THE TOP 3 VALUES OF TOTAL INVOICE

```
SELECT  
    ROUND(TOTAL, 2) AS TOTAL  
FROM  
    INVOICE  
ORDER BY TOTAL DESC  
LIMIT 3;
```

Result Grid	
	total
▶	23.76
	19.8
	19.8



4. WHICH CITY HAS THE BEST CUSTOMERS ? WRITE A QUERY THAT RETURNS ONE CITY THAT HAS HIGHEST SUM OF INVOICE TOTALS , RETURN BOTH CITY NAME AND SUM OF ALL INVOICE TOTALS

```
SELECT  
    SUM(TOTAL) AS TOTAL_INVOICE,  
    BILLING_CITY  
FROM  
    INVOICE  
GROUP BY BILLING_CITY  
ORDER BY TOTAL_INVOICE DESC  
LIMIT 1;
```

	total_invoice	billing_city
▶	273.24000000000007	Prague



**5.WHO IS THE BEST CUSTOMER ? THE CUSTOMER WHO HAS SPENT MOST MONEY WILL BE DECLARED THE BEST CUSTOMER .WRITE A QUERY THAT RETURNS THE PERSON WHO HAS SPENT THE MOST MONEY**

Result Grid			
	customer_id	first_name	last_name
	total		
▶	5	František	Wichterlová
	144.5400000		

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





**6. 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
▶	aaronmitchell@yahoo.ca	Aaron	Mitchell
	alero@uol.com.br	Alexandre	Rocha
	astrid.gruber@apple.at	Astrid	Gruber
	bjorn.hansen@yahoo.no	Bjørn	Hansen
	camille.bernard@yahoo.fr	Camille	Bernard

```
SELECT DISTINCT
    C.EMAIL, C.FIRST_NAME, C.LAST_NAME
FROM
    CUSTOMER C
JOIN
    INVOICE I ON C.CUSTOMER_ID = I.CUSTOMER_ID
JOIN
    INVOICE_LINE ON INVOICE_LINE.INVOICE_ID = I.INVOICE_ID
WHERE
    TRACK_ID IN (SELECT
        TRACK_ID
    FROM
        TRACK T
    JOIN
        GENRE G ON T.GENRE_ID = G.GENRE_ID
    WHERE
        G.NAME LIKE 'ROCK')
ORDER BY EMAIL
```





# 7. WRITE A QUERY THAT RETURNS THE ARTIST NAME AND TOTAL TRACK COUNT OF THE TOP 10 ROCK BRANDS .

Result Grid | Filter Rows:

	artist_id	name	count
▶	1	AC/DC	18
	3	Aerosmith	15
	8	Audioslave	14
	22	Led Zeppelin	14
	4	Alanis Morissette	13
	5	Alice In Chains	12

SELECT

ARTIST.ARTIST\_ID,

ARTIST.NAME,

COUNT(ARTIST.ARTIST\_ID) AS COUNT

FROM

TRACK

JOIN

ALBUM ON ALBUM.ALBUM\_ID = TRACK.ALBUM\_ID

JOIN

ARTIST ON ARTIST.ARTIST\_ID = ALBUM.ARTIST\_ID

JOIN

GENRE ON GENRE.GENRE\_ID = TRACK.GENRE\_ID

WHERE

GENRE.NAME LIKE 'ROCK'

GROUP BY ARTIST.ARTIST\_ID,ARTIST.NAME

ORDER BY COUNT DESC

LIMIT 10





8. RETURN ALL THE TRACK NAMES THAT HAVE A SONG LENGTH LONGER THAT AVERAGE SONG LENGTH .RETURN THE NAME AND MILLISECONDS FOR EACH TRACK.ORDER BY THE LENGTH WITH THE LONGEST SONGS LISTED FIRST.

	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

SELECT  
NAME, MILLISECONDS  
FROM  
TRACK  
WHERE  
MILLISECONDS > (SELECT  
AVG(MILLISECONDS)  
FROM  
TRACK)  
ORDER BY MILLISECONDS DESC





THANK YOU

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