

The image features a dark blue background with several yellow musical notes scattered around the central text. The notes are stylized, with some having stems and others being just the note heads. They are positioned at various angles, creating a sense of movement and rhythm.

DIGITAL MUSIC STORE ANALYSIS

MAYANK

Several yellow musical notes of various sizes and orientations are scattered around the top and sides of the slide, framing the central text.

OBJECTIVE

Analysis the music playlist database.

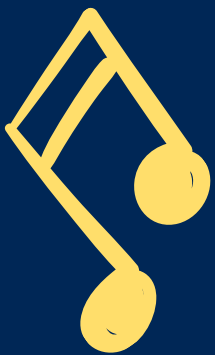



Here, I examine the dataset with SQL queries and help the store understand its business growth by answering questions.

Several yellow musical notes of various sizes and orientations are scattered around the bottom and sides of the slide, framing the central text.



MY INTRODUCTION




Hello everyone, My name is MAYANK and i am a beginner in data analyst field. I have learnt many skills like Microsoft Excel, MySQL, python, Power BI and Tableau. Here, using SQL queries I examine the dataset and helped the store understand its business growth.



WHO IS THE BEST CUSTOMER?

THE CUSTOMER WHO HAS SPENT THE MOST MONEY WILL BE DECLARED THE BEST CUSTOMER

```
• SELECT
    customer.customer_id,
    ANY_VALUE(customer.first_name),
    SUM(invoice.total) AS sum
FROM invoice
JOIN customer ON invoice.customer_id = customer.customer_id
GROUP BY invoice.customer_id;
```

Result Grid  Filter Rows: <input type="text"/> Export:  Wrap Cell Content: 			
	customer_id	ANY_VALUE(customer.first_name)	sum
▶	18	Michelle	79.2
	30	Edward	91.08
	40	Dominique	72.27
	27	Patrick	84.14999999999999
	31	Martha	62.370000000000005
	49	Stanisław	76.22999999999999
	59	Rishabh	71.28
	38	Niklas	73.25999999999999
	42	Wyatt	99.99
	25	Madeline	82.17

WHICH CITY HAS THE BEST CUSTOMERS?

WRITE A QUERY THAT RETURNS ONE CITY THAT HAS THE HIGHEST SUM OF INVOICE TOTALS.

```
SELECT
    billing_city AS city, SUM(total) AS sum
FROM
    music.invoice
GROUP BY city
ORDER BY sum DESC;
```

Result Grid			Filter Rows:
	city	sum	
▶	Prague	273.240000000000007	
	Mountain View	169.29	
	London	166.32	
	Berlin	158.4	
	Paris	151.47	
	São Paulo	129.69	
	Dublin	114.839999999999997	

WHO IS THE SENIOR MOST EMPLOYEE BASED ON JOB TITLE?

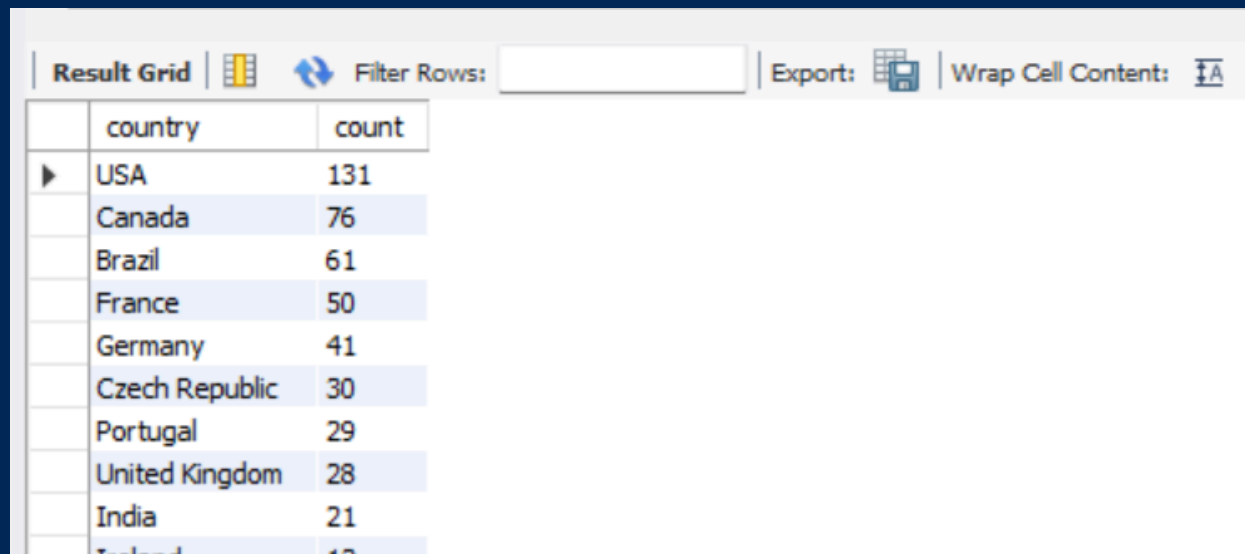
```
SELECT * FROM employee  
ORDER BY levels DESC  
LIMIT 1;
```

Result Grid													
Filter Rows: <input type="text"/> Export: Wrap Cell Content: Fetch rows:													
	employee_id	last_name	first_name	title	reports_to	levels	birthdate	hire_date	address	city	state	country	postal_code
▶	1	Adams	Andrew	General Manager	9	L6	18-02-1962 00:00	14-08-2016 00:00	11120 Jasper Ave NW	Edmonton	AB	Canada	T5K 2N1

employee 7 x Read Only

WHICH COUNTRIES HAVE THE MOST INVOICES?

```
SELECT
    billing_country AS country, COUNT(invoice_id) AS count
FROM
    invoice
GROUP BY country
ORDER BY count DESC;
```



The screenshot shows a database query result grid with a toolbar at the top. The toolbar includes a 'Result Grid' tab, a grid icon, a 'Filter Rows' button with a funnel icon, a text input field for filtering, an 'Export' button with a document icon, and a 'Wrap Cell Content' button with a text wrap icon. The table below displays the results of the SQL query, ordered by country with the highest invoice count first.

	country	count
▶	USA	131
	Canada	76
	Brazil	61
	France	50
	Germany	41
	Czech Republic	30
	Portugal	29
	United Kingdom	28
	India	21
	Ireland	12

WRITE QUERY TO RETURN THE EMAIL, FIRST NAME, LAST NAME, & GENRE OF ALL ROCK MUSIC LISTENERS.

```
SELECT DISTINCT customer.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;
```

	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	Björn	Hansen
	camille.bernard@yahoo.fr	Camille	Bernard
	daan_peeters@apple.be	Daan	Peeters
	diego.gutierrez@yahoo.ar	Diego	Gutiérrez
	dmiller@comcast.com	Dan	Miller
	dominiquelefebvre@gmail.com	Dominique	Lefebvre

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.

```
SELECT artist.artist_id,any_value(artist.name) as artist_name,COUNT(artist.artist_id) AS number_of_songs
FROM track
JOIN album2 ON album2.album_id = track.album_id
JOIN artist ON artist.artist_id = album2.artist_id
JOIN genre ON genre.genre_id = track.genre_id
WHERE genre.name LIKE 'Rock'
GROUP BY artist.artist_id
ORDER BY number_of_songs DESC
LIMIT 10;
```

	artist_id	artist_name	number_of_songs
▶	1	AC/DC	18
	3	Aerosmith	15
	8	Audioslave	14
	22	Led Zeppelin	14
	4	Alanis Morissette	13
	5	Alice In Chains	12
	23	Frank Zappa & Captain Beefheart	9
	2	Accent	4

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;
```

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			
	Back Of The Head	404303			

HIRE ME!

MY CONTACT DETAILS

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MAYANK

CONTACT

The image features a dark blue background with several yellow musical notes scattered around the central text. There are eight notes in total, each consisting of a yellow stem, a yellow flag, and two yellow circles representing the note head and the dot of a double note. The notes are positioned at various angles and locations: one in the top left, one in the top center, one in the top right, one in the middle right, one in the bottom right, one in the bottom center, one in the bottom left, and one in the middle left.

THANK YOU

MAYANK