DIGITAL MUSIC STORE ANALYSIS

MAYANK

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.

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: | 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	StanisÅ‚aw	76.22999999999999
59	Rishabh	71.28
38	Niklas	73.25999999999999
42	Wyatt	99.99

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:

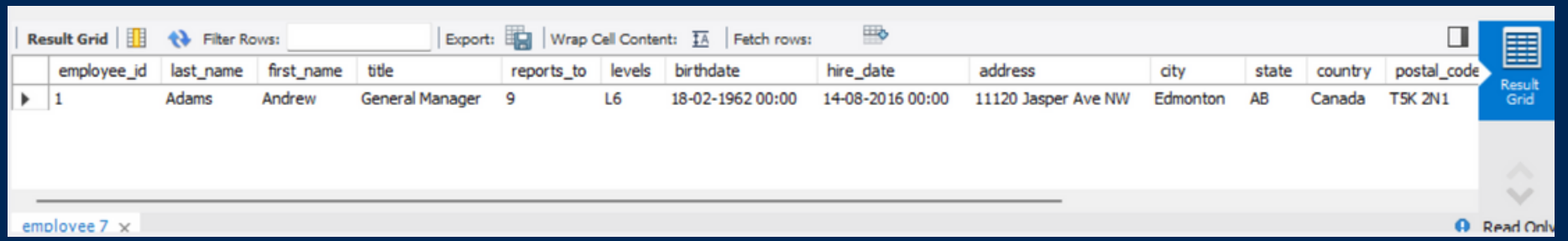
city	sum
Prague	273.24000000000007
Mountain View	169.29
London	166.32
Berlin	158.4
Paris	151.47
SÃ£o Paulo	129.69
Dublin	114.83999999999997

WHO IS THE SENIOR MOST EMPLOYEE BASED ON JOB TITLE?

```sql
SELECT * FROM employee

ORDER BY levels DESC

LIMIT 1;
```



Result Grid | Filter Rows: | 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

Result Grid

employee 7 ×

Read Only

WHICH COUNTRIES HAVE THE MOST INVOICES?

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

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

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.

```sql
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	BjÃ¸rn	Hansen
camille.bernard@yahoo.fr	Camille	Bernard
daan_peeters@apple.be	Daan	Peeters
diego.gutierrez@yahoo.ar	Diego	GutiÃ©rrez
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.

```sql
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;
```

Result Grid | Filter Rows: | Export:

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	Accept	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

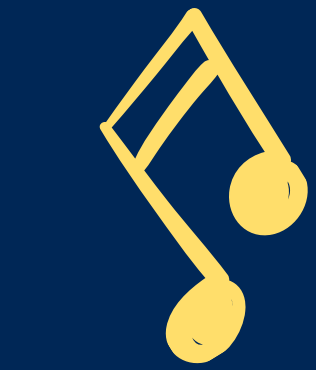
HIRE ME!

MY CONTACT DETAILS

+91-9315438676
mayankdixit5324@gmail.com

MAYANK

CONTACT




THANK YOU

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