

MUSIC STORE DATA ANALYSIS PROJECT



Q1. WHO IS THE SENIOR MOST EMPLOYEE BASED ON JOB TITLE?



```
select TOP 1 *from employee  
order by levels desc
```

Results Messages

	_name	first_name	title	reports_to	levels
1	Jan	Mohan	Senior General Manager	NULL	7.00

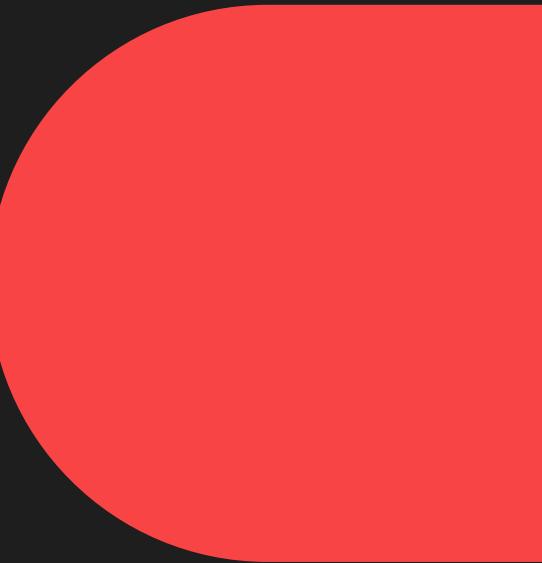


Q2. WHICH COUNTRIES HAVE THE MOST INVOICES?

```
select TOP 1 COUNT(*) as c, billing_country  
from invoice  
group by billing_country  
order by c desc
```

	invoice_id	customer_id	invoice_date	billing_address	billing_city
1	183	42	2018-02-09 00:00:00.0000000	9, Place Louis Barthou	Bordeaux
2	31	3	2017-02-21 00:00:00.0000000	1498 rue Bélanger	Montréal
3	92	32	2017-07-02 00:00:00.0000000	696 Osborne Street	Winnipeg





Q3. WHAT ARE TOP 3 VALUES OF TOTAL INVOICE?

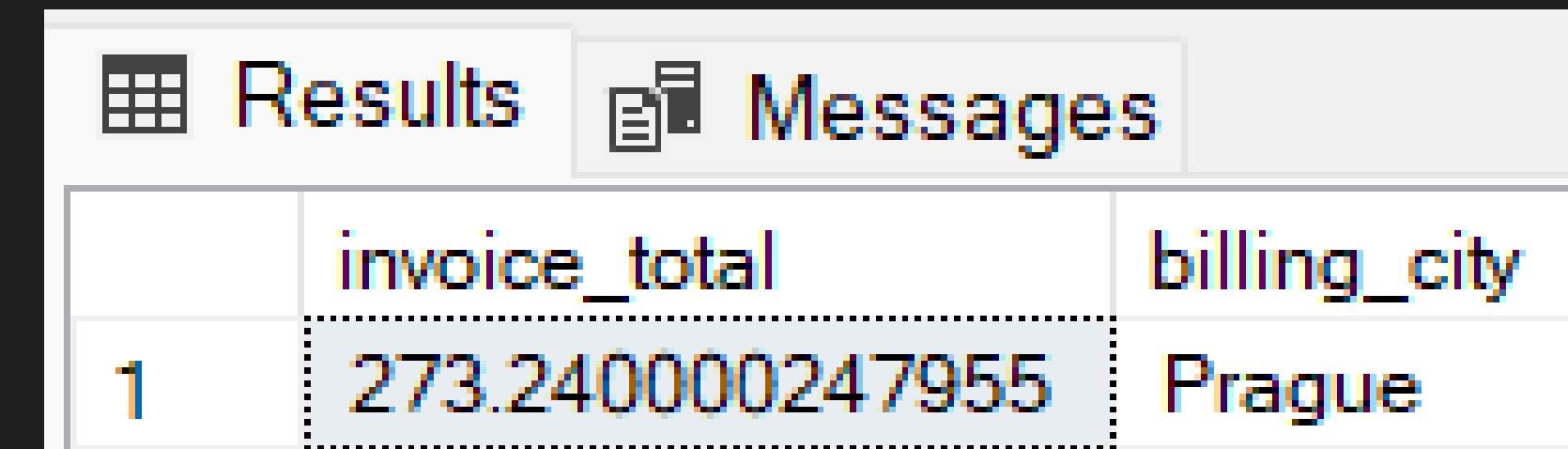
```
select TOP 3 * from invoice  
order by total desc
```

	invoice_id	customer_id	invoice_date	billing_address	billing_city	billing_state	billing_country	billing_postal_code	total
1	183	42	2018-02-09 00:00:00.0000000	9, Place Louis Barthou	Bordeaux	None	France	33000	23.7600002288818
2	31	3	2017-02-21 00:00:00.0000000	1498 rue Bélanger	Montréal	QC	Canada	H2G 1A7	19.7999992370605
3	92	32	2017-07-02 00:00:00.0000000	696 Osborne Street	Winnipeg	MB	Canada	R3L 2B9	19.7999992370605

Q4. WHICH CITY HAS BEST CUSTOMERS?



```
select TOP 1 SUM(total) as invoice_total, billing_city  
from invoice  
group by billing_city  
order by invoice_total desc
```

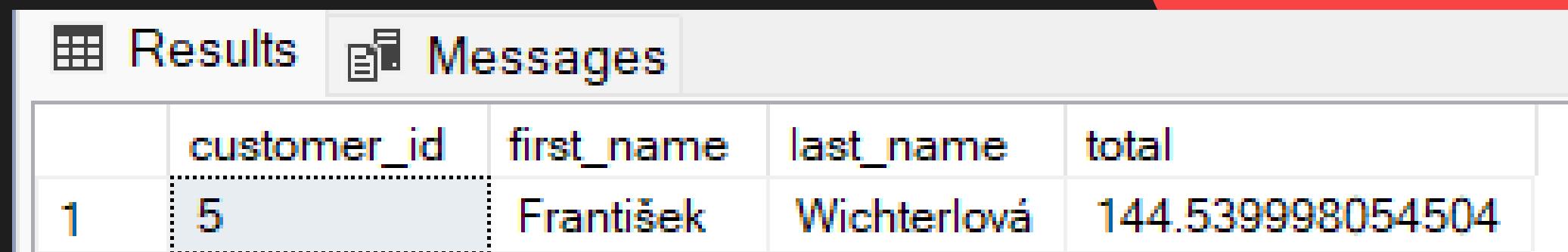


The screenshot shows a SQL query results window with two tabs: "Results" and "Messages". The "Results" tab is selected, displaying a single row of data from a query. The table has three columns: an index column (containing '1'), an "invoice_total" column (containing '273.240000247955'), and a "billing_city" column (containing 'Prague').

	invoice_total	billing_city
1	273.240000247955	Prague

Q5. WHO IS THE BEST CUSTOMER?

```
SELECT TOP 1 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;
```



The screenshot shows a SQL query results window with two tabs: "Results" and "Messages". The "Results" tab is selected and displays a table with five columns: customer_id, first_name, last_name, and total. There is one row of data: customer_id 5, first_name František, last_name Wichterlová, and total 144.539998054504.

	customer_id	first_name	last_name	total
1	5	František	Wichterlová	144.539998054504

Q6.WRITE THE QUERY TO RETURN THE FIRST NAME, LAST NAME AND GENRE OF ALL ROCK MUSIC LISTERNERS?

```
SELECT DISTINCT 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 track1
JOIN genre ON track1.genre_id = genre.genre_id
WHERE genre.name LIKE 'ROCK'
)
ORDER BY email|
```

	email	first_name	last_name
1	aaronmitchell@yahoo.ca	Aaron	Mitchell
2	alero@uol.com.br	Alexandre	Rocha
3	astrid.gruber@apple.at	Astrid	Gruber
4	bjorn.hansen@yahoo.no	Bjørn	Hansen
5	camille.bernard@yahoo.fr	Camille	Bernard
6	daan_peeters@apple.be	Daan	Peeters
7	diego.gutierrez@yahoo.ar	Diego	Gutiérrez
8	dmiller@comcast.com	Dan	Miller
9	dominiquelefebvre@gmail.com	Dominique	Lefebvre
10	edfrancis@yachoo.ca	Edward	Francis
11	eduardo@woodstock.com.br	Eduardo	Martins
12	ellie.sullivan@shaw.ca	Ellie	Sullivan
13	emma_jones@hotmail.com	Emma	Jones
14	enrique_munoz@yahoo.es	Enrique	Muñoz
15	fernadaramos4@uol.com.br	Fernanda	Ramos
16	fharris@google.com	Frank	Harris

Q7.WRITE A QUERY THAT RETURNS THE ARTIST NAME AND TOTAL TRACK COUNT OF TOP 10 ROCK BANDS.

```
select TOP 10 artist.artist_id, artist.name, COUNT(artist.artist_id) AS number_of_songs
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 number_of_songs DESC
```



	artist_id	name	number_of_songs
1	22	Led Zeppelin	114
2	150	U2	112
3	58	Deep Purple	92
4	90	Iron Maiden	81
5	118	Pearl Jam	54
6	152	Van Halen	52
7	51	Queen	45
8	142	The Rolling Stones	41
9	76	Creedence Clearwater Revival	40
10	52	Kiss	35

THANK YOU