Taylor Swift: The Eras Concert Tour

SQL Analysis







Objective

The objective of this project based on Taylor Swift's ERAs Tour SQL analysis is to gain insights and useful information from the concert data. The provided SQL queries aim to extract meaningful details about the concerts, venues, and locations related to Taylor Swift's performances. The analysis covers various aspects of the concert data, including the number of concerts in different countries and cities, details of the earliest concert, the venue that hosted the most concerts, concerts in specific venues containing the word 'STADIUM, ' and a breakdown of the total number of concerts by month.

Table Used

Concerts

ConcertID	ConcertDate		VenueName
	1	07-02-2024	TOKYO DOME
	2	08-02-2024	TOKYO DOME
	3	09-02-2024	TOKYO DOME
	4	10-02-2024	TOKYO DOME
	5	16-02-2024	MELBOURNE CRICKET GROUNDS (MCG)
	6		MELBOURNE CRICKET GROUNDS (MCG)
	7	18-02-2024	MELBOURNE CRICKET GROUNDS (MCG)
	8	23-02-2024	ACCOR STADIUM
	9	24-02-2024	ACCOR STADIUM
	10	25-02-2024	ACCOR STADIUM
	11		ACCOR STADIUM
	12	02-03-2024	NATIONAL STADIUM, SINGAPORE
	13		NATIONAL STADIUM, SINGAPORE
	14	04-03-2024	NATIONAL STADIUM, SINGAPORE
	15		NATIONAL STADIUM, SINGAPORE
	16		NATIONAL STADIUM, SINGAPORE
	17	09-03-2024	NATIONAL STADIUM, SINGAPORE
	18	09-05-2024	PARIS LA DÉFENSE ARENA
	19	10-05-2024	PARIS LA DÉFENSE ARENA
	20		PARIS LA DÉFENSE ARENA
	21		PARIS LA DÉFENSE ARENA
	22		FRIENDS ARENA
	23	18-05-2024	FRIENDS ARENA
	24		FRIENDS ARENA
	25		ESTÃDIO DA LUZ
	26		ESTÃĐIO DA LUZ
	27		ESTADIO SANTIAGO BERNABÉU
	28	02-06-2024	GROUPAMA STADIUM
	29		GROUPAMA STADIUM
8	30		SCOTTISH GAS MURRAYFIELD STADIUM
	31		SCOTTISH GAS MURRAYFIELD STADIUM
	32		SCOTTISH GAS MURRAYFIELD STADIUM
	33		ANFIELD STADIUM
	34		ANFIELD STADIUM
	35		ANFIELD STADIUM
	36		PRINCIPALITY STADIUM
	37		WEMBLEY STADIUM
	38	to an an analysis of the same	WEMBLEY STADIUM
	39	100 000 000 000 000 000 000	WEMBLEY STADIUM

ConcertID	ConcertDate	VenueName	LocationCity	LocationCountry
40	28-06-2024	AVIVA STADIUM	Dublin	Ireland
41	29-06-2024	AVIVA STADIUM	Dublin	Ireland
42	30-06-2024	AVIVA STADIUM	Dublin	Ireland
43	04-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
44	05-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
45	06-07-2024	JOHAN CRUIJFF ARENA	Amsterdam	Netherlands
46	09-07-2024	STADION LETZIGRUND ZÜRICH	Zürich	Switzerland
47	10-07-2024	STADION LETZIGRUND ZÜRICH	Zürich	Switzerland
48	13-07-2024	SAN SIRO STADIUM	Milan	Italy
49	14-07-2024	SAN SIRO STADIUM	Milan	Italy
50	17-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
51	18-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
52	19-07-2024	VELTINS-ARENA	Gelsenkirchen	Germany
53	23-07-2024	VOLKSPARKSTADION	Hamburg	Germany
54	24-07-2024	VOLKSPARKSTADION	Hamburg	Germany
55	27-07-2024	OLYMPIASTADION	Munich	Germany
56	28-07-2024	OLYMPIASTADION	Munich	Germany
57	01-08-2024	PGE NARODOWY	Warsaw	Poland
58	02-08-2024	PGE NARODOWY	Warsaw	Poland
59	03-08-2024	PGE NARODOWY	Warsaw	Poland
60	08-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
61	09-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
62	10-08-2024	ERNST-HAPPEL-STADION	Vienna	Austria
63	15-08-2024	WEMBLEY STADIUM	London	United Kingdom
64	16-08-2024	WEMBLEY STADIUM	London	United Kingdom
65	17-08-2024	WEMBLEY STADIUM	London	United Kingdom
66	19-08-2024	WEMBLEY STADIUM	London	United Kingdom
67	20-08-2024	WEMBLEY STADIUM	London	United Kingdom
68	14-11-2024	ROGERS CENTRE	Toronto	ON
69	15-11-2024	ROGERS CENTRE	Toronto	ON
70	16-11-2024	ROGERS CENTRE	Toronto	ON
71	21-11-2024	ROGERS CENTRE	Toronto	ON
72		ROGERS CENTRE	Toronto	ON
73	23-11-2024	ROGERS CENTRE	Toronto	ON
74	06-12-2024	BC PLACE	Vancouver	British Columbia
75	07-12-2024	BC PLACE	Vancouver	British Columbia
76	08-12-2024	BC PLACE	Vancouver	British Columbia

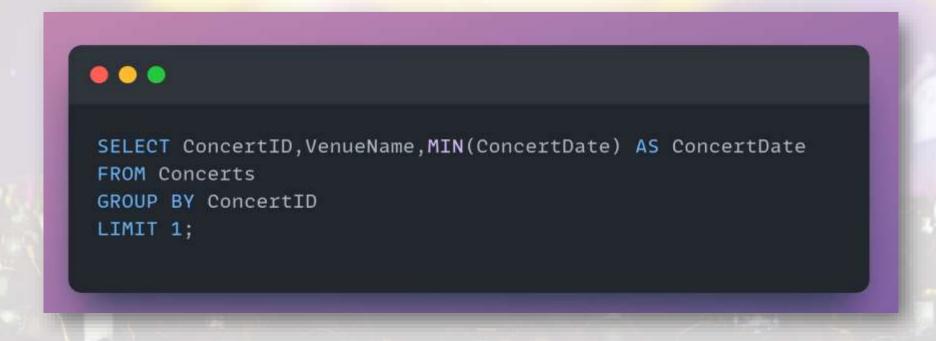
Queries

1. Retrieve the total number of concerts where Taylor Swift performed in United Kingdom.



LocationCountry NO_OF_CONCERTS United Kingdom 15	Query #1 Execution time: 1ms		
United Kingdom 15	LocationCountry	NO_OF_CONCERTS	
	United Kingdom	15	

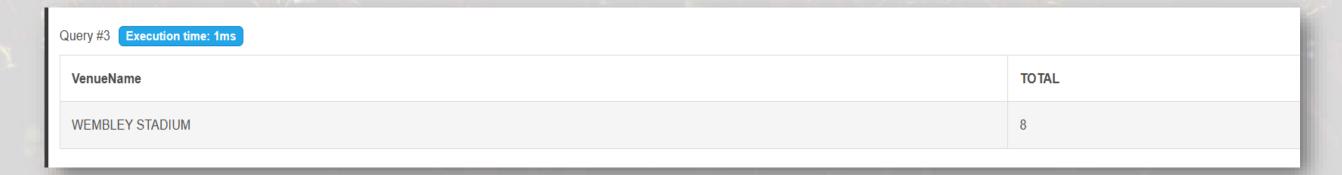
2. Retrieve the details (ConcertID, ConcertDate, VenueName) of the concert with the earliest date.



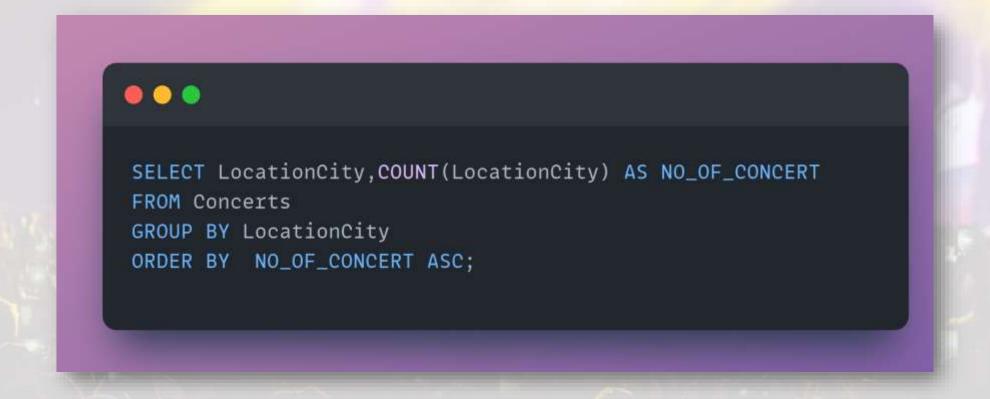
Query #2 Execution time: 0ms				
ConcertID	VenueName	ConcertDate		
1	TOKYO DOME	2024-02-07		

3. Find the venue that hosted the most concerts during the entire tour.





4. Calculate the total number of concerts in each city



Query #4 Execution time: 0ms

LocationCity	NO_OF_CONCERT
Madrid	1
Cardiff	1
Munich	2
Hamburg	2
Lisbon	2
Lyon	2
Milan	2
Zürich	2
Melbourne	3
Vancouver	3
Vienna	3
Warsaw	3

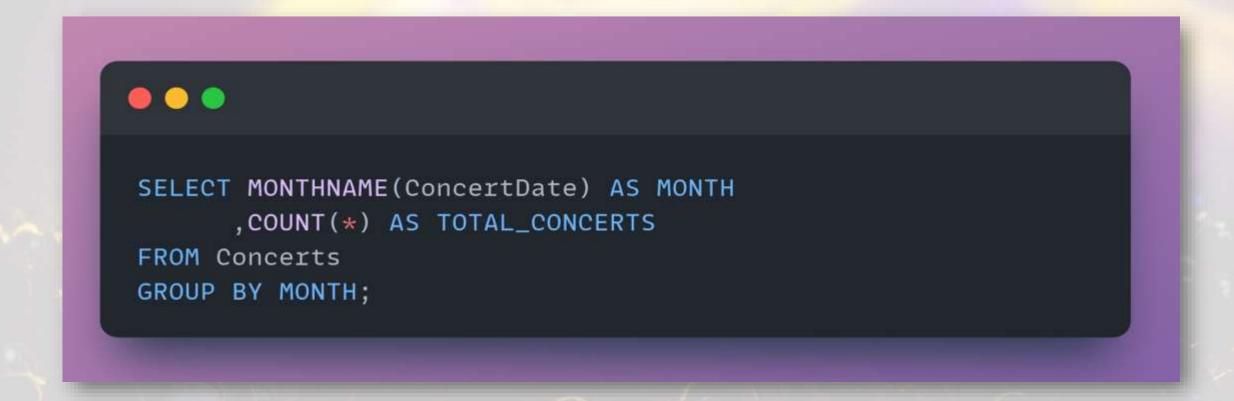
5. List the concerts in which the venue name contains the word 'STADIUM'



Query #5 Execution time: 1ms

ConcertID	ConcertDate	VenueName	LocationCity	LocationCountry
8	2024-02-23	ACCOR STADIUM	Sydney	Australia
9	2024-02-24	ACCOR STADIUM	Sydney	Australia
10	2024-02-25	ACCOR STADIUM	Sydney	Australia
11	2024-02-26	ACCOR STADIUM	Sydney	Australia
12	2024-03-02	NATIONAL STADIUM, SINGAPORE	Singapore	SG
13	2024-03-03	NATIONAL STADIUM, SINGAPORE	Singapore	SG
14	2024-03-04	NATIONAL STADIUM, SINGAPORE	Singapore	SG
15	2024-03-07	NATIONAL STADIUM, SINGAPORE	Singapore	SG
16	2024-03-08	NATIONAL STADIUM, SINGAPORE	Singapore	SG
17	2024-03-09	NATIONAL STADIUM, SINGAPORE	Singapore	SG
28	2024-06-02	GROUPAMA STADIUM	Lyon	France
29	2024-06-03	GROUPAMA STADIUM	Lyon	France

6. Calculate the total number of concerts in each month



Query #6 Execution time: 14ms

MONTH	TOTAL_CONCERTS
February	11
March	6
May	10
June	15
July	14
August	11
November	6
December	3

7. List the concerts where Taylor Swift performed in Asian countries

```
SELECT
ConcertDate, VenueName, LocationCity, LocationCountry
FROM
Concerts
WHERE LocationCountry IN ("Japan" ,"SG")
ORDER BY ConcertDate ASC;
```

Query #7 Execution time: 1ms

ConcertDate	VenueName	LocationCity	LocationCountry
2024-02-07	TOKYO DOME	Tokyo	Japan
2024-02-08	TOKYO DOME	Tokyo	Japan
2024-02-09	TOKYO DOME	Tokyo	Japan
2024-02-10	TOKYO DOME	Tokyo	Japan
2024-03-02	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-03	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-04	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-07	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-08	NATIONAL STADIUM, SINGAPORE	Singapore	SG
2024-03-09	NATIONAL STADIUM, SINGAPORE	Singapore	SG

8. List the concert dates and locations in European countries during the summer months (June, July, August)

```
SELECT
    ConcertDate, VenueName, LocationCity, LocationCountry
FROM
    Concerts
WHERE
    LocationCountry IN ('United Kingdom', 'France',
        'Spain',
        'Italy',
        'Germany',
        'Portugal',
        'Switzerland',
        'Netherlands',
        'Austria') AND MONTH(ConcertDate)IN(6,7,8);
```

Query #8 Execution time: 0ms

ConcertDate	VenueName	LocationCity	LocationCountry
2024-06-02	GROUPAMA STADIUM	Lyon	France
2024-06-03	GROUPAMA STADIUM	Lyon	France
2024-06-07	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-08	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-09	SCOTTISH GAS MURRAYFIELD STADIUM	Edinburgh	United Kingdom
2024-06-13	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-14	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-15	ANFIELD STADIUM	Liverpool	United Kingdom
2024-06-18	PRINCIPALITY STADIUM	Cardiff	United Kingdom
2024-06-21	WEMBLEY STADIUM	London	United Kingdom
2024-06-22	WEMBLEY STADIUM	London	United Kingdom

Thank You!