

The background features a dark blue gradient with faint, light blue concentric circles and degree markings (40, 150, 170, 180, 190, 200, 210, 220, 230, 240, 250, 260) on the left side, suggesting a circular or rotational theme.

# **SQL TIPS AND TRICKS**

PART 13

## **Interview Question**

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## Sample Example

Result Grid				Filter Rows:		Expo
	user_id	date_searched	room_types			
▶	1	2022-01-01	entire home,private room			
	2	2022-01-02	entire home, shared room			
	3	2022-01-02	private room, shared room			
	4	2022-02-03	private room			

find the room types that are searched most of the time. output the room type alongside the no of searches for it. if the filter for room type has more than one type, consider each room type has a separate row. sort the result based on the no of searches in descending order

```
22  
23 • SELECT value as room_type, COUNT (1) as no_of_searches  
24 FROM rooms  
25 ✖ CROSS APPLY STRING_SPLIT (room_types, ',')  
26 GROUP BY value  
27 ORDER BY no_of_searches desc;
```

## In MYSQL

```
54 • SELECT
55     TRIM(SUBSTRING_INDEX(SUBSTRING_INDEX(room_types, ',', n), ',', -1)) AS room_type,
56     COUNT(*) AS no_of_searches
57 FROM rooms
58 JOIN
59     (SELECT 1 AS n UNION ALL SELECT 2 UNION ALL SELECT 3 UNION ALL SELECT 4 UNION ALL SELECT 5) AS numbers
60 WHERE CHAR_LENGTH(room_types) - CHAR_LENGTH(REPLACE(room_types, ',', '')) >= n - 1
61 GROUP BY room_type
62 ORDER BY no_of_searches DESC;
```

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

	room_type	no_of_searches
▶	private room	3
	entire home	2
	shared room	2



# THANK YOU

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