

A dark blue vertical bar is on the left. A blue arrow points right from it, containing the date.

11/14/2025

# DAY 12

## #SQLWithIDC

[ 21 DAYS SQL CHALLENGE ]

Several thin, curved lines in shades of blue and grey sweep upwards from the bottom left corner.

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# PRACTICE QUESTIONS

1. Find all weeks in services\_weekly where no special event occurred.

```
SELECT week FROM services_weekly  
WHERE event LIKE 'none';
```

output

```
298 -- 1.Find all weeks in services_weekly where no special event occurred.  
299 • SELECT week  
300 FROM services_weekly  
301 WHERE event LIKE 'none';  
302  
303
```

week
1
2
3
4
5
6
7
8
9
10
11
12

services\_weekly 8 x

2. Count how many records have null or empty event values.

```
SELECT COUNT(*) AS empty_event_count  
FROM services_weekly  
WHERE event IS NULL OR event LIKE 'none';
```

output

```
300  
301 -- 2.Count how many records have null or empty event values.  
302 • SELECT COUNT(*) AS empty_event_count  
303 FROM services_weekly  
304 WHERE event IS NULL OR event LIKE 'none';  
---
```

empty_event_count
164

3. List all services that had at least one week with a special event.

```
SELECT DISTINCT service FROM services_weekly  
WHERE event IS NOT NULL  
AND event <> ''  
AND event <> 'none';
```

```
307 -- 3.List all services that had at least one week with a special event.  
308 • SELECT DISTINCT service  
309 FROM services_weekly  
310 WHERE event IS NOT NULL  
311 AND event <> ''  
312 AND event <> 'none';
```

service
surgery
general_medicine
ICU
emergency

## DAILY CHALLENGE – DAY 12

1. Analyze the event impact by comparing weeks with events vs weeks without events. Show: event status ( 'With Event' or 'No Event' ), count of weeks, average patient satisfaction, and average staff morale. Order by average patient satisfaction descending.

```
SELECT
CASE
WHEN event IS NULL
OR event = ''
OR event LIKE 'none' THEN 'No Event'
ELSE 'With Event' END AS event_status,
COUNT(week) AS total_week, ROUND(AVG(patients_satisfaction),2) AS avg_patient_satisfaction,
ROUND(AVG(staff_morale),2) AS avg_staff_morale
FROM services_weekly
GROUP BY event_status
ORDER BY avg_patient_satisfaction DESC ;
```



```
318 -- Daily Challenge - Day 12
319 -- Analyze the event impact by comparing weeks with events vs weeks without events.
320 -- Show: event status ( 'With Event' or 'No Event' ), count of weeks, average patient satisfaction, and average staff morale.
321 -- Order by average patient satisfaction descending.
322 • SELECT
323 CASE
324 WHEN event IS NULL
325 OR event = ''
326 OR event LIKE 'none' THEN 'No Event'
327 ELSE 'With Event' END AS event_status,
328 COUNT(week) AS total_week, ROUND(AVG(patients_satisfaction),2) AS avg_patient_satisfaction,
329 ROUND(AVG(staff_morale),2) AS avg_staff_morale FROM services_weekly
330 GROUP BY event_status
331 ORDER BY avg_patient_satisfaction DESC;
332
333
334
```

event_status	total_week	avg_patient_satisfaction	avg_staff_morale
With Event	44	81.02	70.41
No Event	164	79.73	73.15