

11/14/2025

DAY 12

#SQLWithIDC

[21 DAYS SQL CHALLENGE]

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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
2
3
3
4
4
5
5
6
6
7
7
8
8
9
9
10
10
10

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';  
305  
306
```

empty_event_count
164

empty_event_count 164 x

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

service 4 x

DAILY CHALLENGE – DAY 12

- 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 |
```

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

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