

9/11/2025

DAY 7

#SQLWithIDC

[21 DAYS SQL CHALLENGE]



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PRACTICE QUESTIONS

- Find services that have admitted more than 500 patients in total.

```
SELECT service,  
SUM(patients_admitted) AS  
total_patients_admitted FROM  
services_weekly GROUP BY service  
HAVING total_patients_admitted > 500;
```

output →

```
160 -- Practice Questions Day 7  
161 -- 1.Find services that have admitted more than 500 patients in total.  
162 • SELECT service, SUM(patients_admitted) AS total_patients_admitted FROM services_weekly  
163 GROUP BY service  
164 HAVING total_patients_admitted > 500;
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
service	total_patients_admitted		
► emergency	1185		
surgery	1686		
general_medicine	2332		
ICU	648		

- Show services where average patient satisfaction is below 75.

```
SELECT service,  
AVG(patients_satisfaction) AS  
avg_satisfaction_score FROM  
services_weekly GROUP BY service  
HAVING avg_satisfaction_score < 75;
```

output ↓

```
165  
166 -- 2.Show services where average patient satisfaction is below 75.  
167 • SELECT service, AVG(patients_satisfaction) AS avg_satisfaction_score FROM services_weekly  
168 GROUP BY service HAVING avg_satisfaction_score < 75;  
169
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
service	avg_satisfaction_score		

- List weeks where total staff presence across all services was less than 50.

```
SELECT week, SUM(present) AS  
total_staff_present FROM staff_schedule  
GROUP BY week HAVING total_staff_present <  
50;
```

output ↗

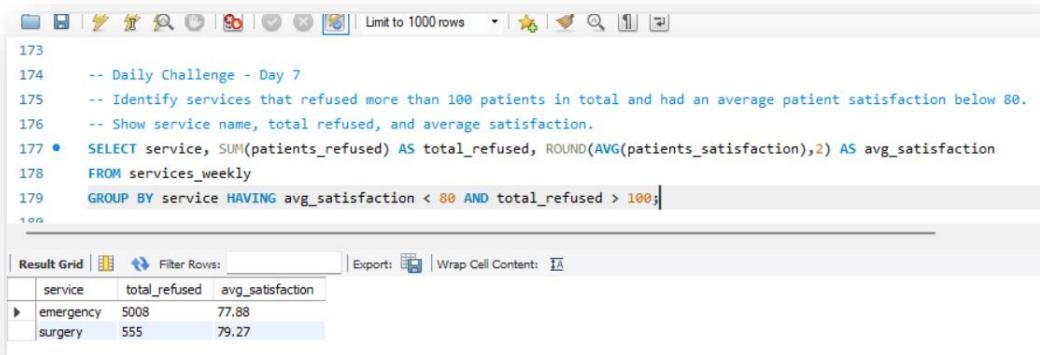
```
169  
170 -- 3.List weeks where total staff presence across all services was less than 50.  
171 • SELECT week, SUM(present) AS total_staff_present FROM staff_schedule  
172 GROUP BY week HAVING total_staff_present < 50;  
173
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
week	total_staff_present		
► 3	0		
6	0		
9	0		
12	0		
15	0		
18	0		
21	0		
24	0		
27	0		
30	0		
33	0		
36	0		
39	0		
42	0		
45	0		
48	0		
51	0		

DAILY CHALLENGE – DAY 7

1. Identify services that refused more than 100 patients in total and had an average patient satisfaction below 80. Show service name, total refused, and average satisfaction.

```
SELECT service, SUM(patients_refused) AS total_refused, ROUND(AVG(patients_satisfaction), 2 )  
AS avg_satisfaction FROM services_weekly GROUP BY service HAVING avg_satisfaction < 80  
AND total_refused > 100;
```



```
173  
174 -- Daily Challenge - Day 7  
175 -- Identify services that refused more than 100 patients in total and had an average patient satisfaction below 80.  
176 -- Show service name, total refused, and average satisfaction.  
177 •  SELECT service, SUM(patients_refused) AS total_refused, ROUND(AVG(patients_satisfaction),2 ) AS avg_satisfaction  
178 FROM services_weekly  
179 GROUP BY service HAVING avg_satisfaction < 80 AND total_refused > 100;
```

service	total_refused	avg_satisfaction
emergency	5008	77.88
surgery	555	79.27