

11/20/2025

DAY 18

#SQLWithIDC

[21 DAYS SQL CHALLENGE]

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PRACTICE QUESTIONS

1. Combine patient names and staff names in single list

```
SELECT name AS combine_name  
FROM patients  
UNION ALL  
SELECT staff_name AS combine_name  
FROM staff;
```

2. Create a union of high satisfaction patients (>90) and low satisfaction patients(<50)

```
SELECT patient_id, name AS patient_name, satisfaction  
FROM patients  
WHERE satisfaction > 90  
UNION ALL  
SELECT patient_id, name AS patient_name, satisfaction  
FROM patients  
WHERE satisfaction < 50;
```

3. List all unique names from both patients and staff tables

```
SELECT name AS name  
FROM patients  
UNION  
SELECT staff_name AS name  
FROM staff;
```

DAILY CHALLENGE – DAY 18

1. Create a comprehensive personal and patient list showing:
 - identifier (patient_id or staff_id), full name, type ('Patient' or 'Staff'), and associated service.
 - Include only those in 'surgery' or 'emergency' services
 - Order by type then service then name.

```
SELECT p.patient_id AS identifier,  
p.name AS full_name,  
'Patient' AS type, p.service FROM patients AS p  
WHERE p.service IN ('surgery', 'emergency')  
UNION ALL  
SELECT s.staff_id AS identifier, s.staff_name AS full_name,  
'Staff' AS type, s.service FROM staff AS s  
WHERE s.service IN ('surgery', 'emergency')  
ORDER BY type, service, full_name;
```