11/6/2025

DAY 4
#SQLWithIDC

[21 DAYS SQL CHALLENGE]

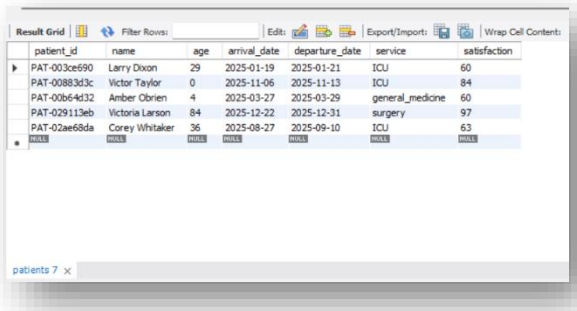
- Submitted By Divyanshi Doser
[INDIAN DATA CLUB]

PRACTICE QUESTION

1. Display the first 5 patients from the patients.

```
SELECT * FROM patients
LIMIT 5;
```

output

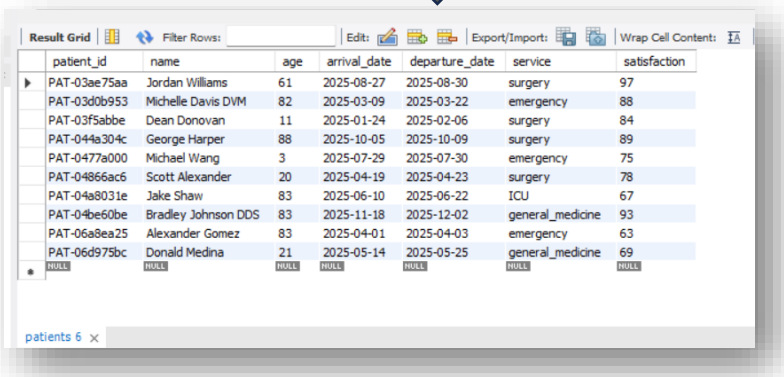


patient_id	name	age	arrival_date	departure_date	service	satisfaction
PAT-003ce690	Larry Dixon	29	2025-01-19	2025-01-21	ICU	60
PAT-00883d3c	Victor Taylor	0	2025-11-06	2025-11-13	ICU	84
PAT-00b64d32	Amber Obrien	4	2025-03-27	2025-03-29	general_medicine	60
PAT-029113eb	Victoria Larson	84	2025-12-22	2025-12-31	surgery	97
PAT-02ae68da	Corey Whitaker	36	2025-08-27	2025-09-10	ICU	63

2. Show patients 11-20 using OFFSET.

```
SELECT * FROM patients
LIMIT  10 OFFSET  10;
```

output

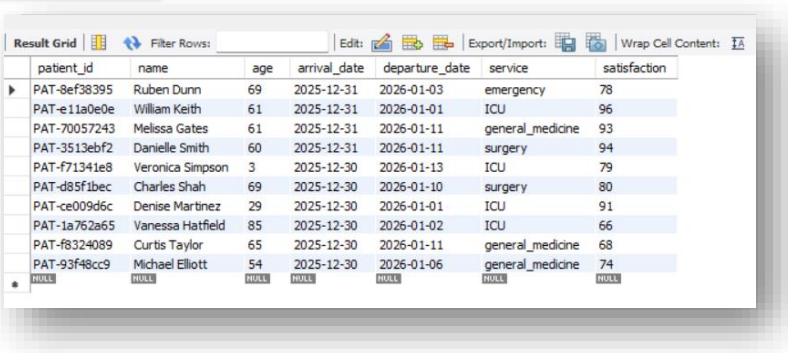


patient_id	name	age	arrival_date	departure_date	service	satisfaction
PAT-03ae75aa	Jordan Williams	61	2025-08-27	2025-08-30	surgery	97
PAT-03d0b953	Michelle Davis DVM	82	2025-03-09	2025-03-22	emergency	88
PAT-03f5abbe	Dean Donovan	11	2025-01-24	2025-02-06	surgery	84
PAT-044a304c	George Harper	88	2025-10-05	2025-10-09	surgery	89
PAT-0477a000	Michael Wang	3	2025-07-29	2025-07-30	emergency	75
PAT-04866ac6	Scott Alexander	20	2025-04-19	2025-04-23	surgery	78
PAT-04a8031e	Jake Shaw	83	2025-06-10	2025-06-22	ICU	67
PAT-04be60be	Bradley Johnson DDS	83	2025-11-18	2025-12-02	general_medicine	93
PAT-06a8ea25	Alexander Gomez	83	2025-04-01	2025-04-03	emergency	63
PAT-06d975bc	Donald Medina	21	2025-05-14	2025-05-25	general_medicine	69

3. Get the 10 most recent patient admission based on arrival_date.

```
SELECT * FROM patients
ORDER BY arrival_date DESC
LIMIT 10 ;
```

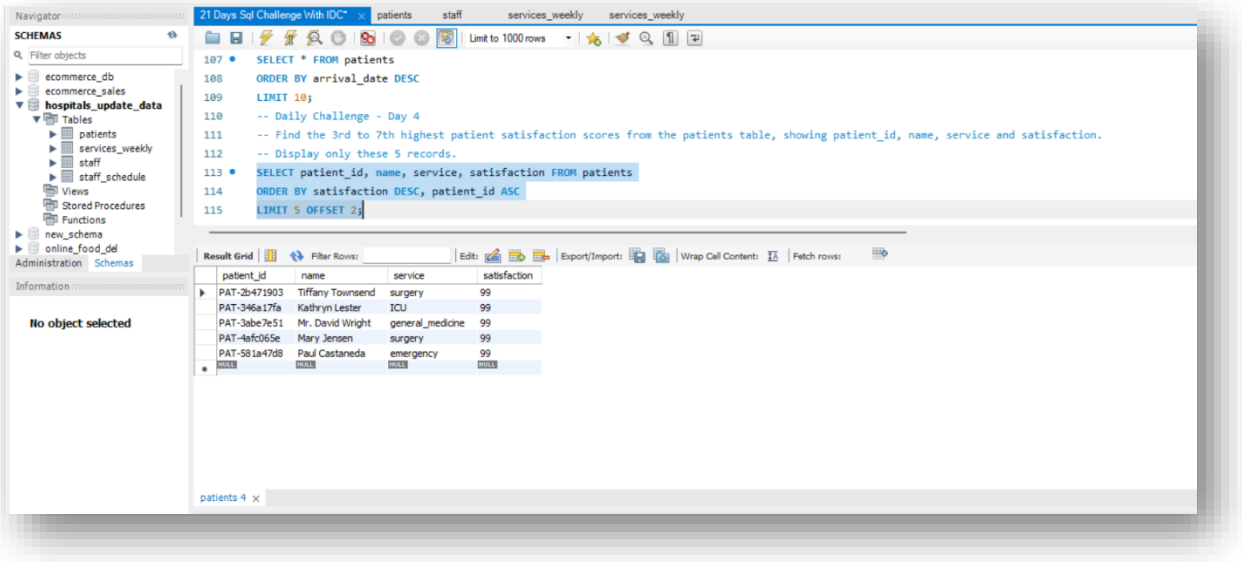
output



patient_id	name	age	arrival_date	departure_date	service	satisfaction
PAT-8ef38395	Ruben Dunn	69	2025-12-31	2026-01-03	emergency	78
PAT-e11a0e0e	William Keith	61	2025-12-31	2026-01-01	ICU	96
PAT-70057243	Melissa Gates	61	2025-12-31	2026-01-11	general_medicine	93
PAT-3513ebf2	Danielle Smith	60	2025-12-31	2026-01-11	surgery	94
PAT-f71341e8	Veronica Simpson	3	2025-12-30	2026-01-13	ICU	79
PAT-d85f1bec	Charles Shah	69	2025-12-30	2026-01-10	surgery	80
PAT-ce009d6c	Denise Martinez	29	2025-12-30	2026-01-01	ICU	91
PAT-1a762a65	Vanessa Hatfield	85	2025-12-30	2026-01-02	ICU	66
PAT-f8324089	Curtis Taylor	65	2025-12-30	2026-01-11	general_medicine	68
PAT-93f48cc9	Michael Elliott	54	2025-12-30	2026-01-06	general_medicine	74

DAILY CHALLENGE – DAY 4

1. Find the 3rd to 7th highest patient satisfaction scores from the patients table, showing patient_id, name, service and satisfaction. Display only these 5 records.

```
SELECT patients_id, name, service, satisfaction FROM patients
ORDER BY satisfaction DESC, patient_id ASC
LIMIT  5 OFFSET 2;
```

output