5/11/2025

DAY 3
#SQLWithIDC

[21 DAYS SQL CHALLENGE]

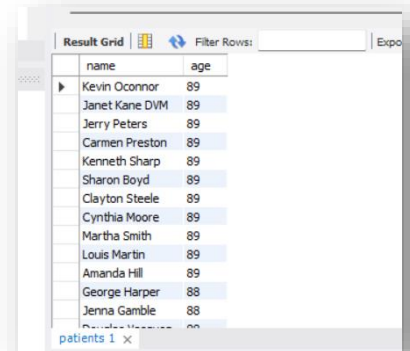- Submitted By Divyanshi Doser
[INDIAN DATA CLUB]

PRACTICE QUESTION

1. List all patients sorted by age in descending order

   SELECT name, age **FROM** patients
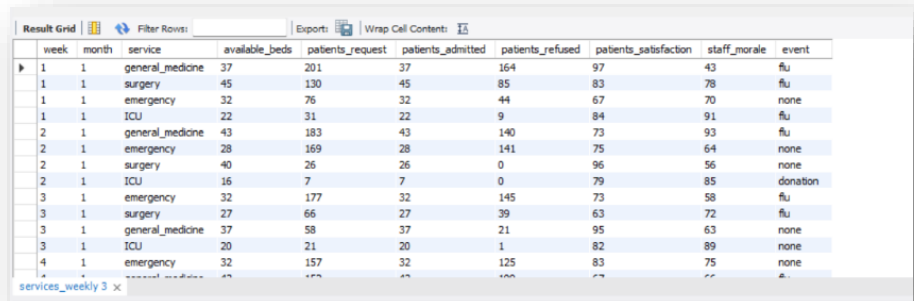
   ORDER BY age **DESC**;

output →

name	age
▶ Kevin Oconnor	89
Janet Kane DVM	89
Jerry Peters	89
Carmen Preston	89
Kenneth Sharp	89
Sharon Boyd	89
Clayton Steele	89
Cynthia Moore	89
Martha Smith	89
Louis Martin	89
Amanda Hill	89
George Harper	88
Jenna Gamble	88

patients 1 ×

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2. Show all services_weekly data sorted by week number ascending and patients_request descending.

   SELECT * **FROM** service_weekly

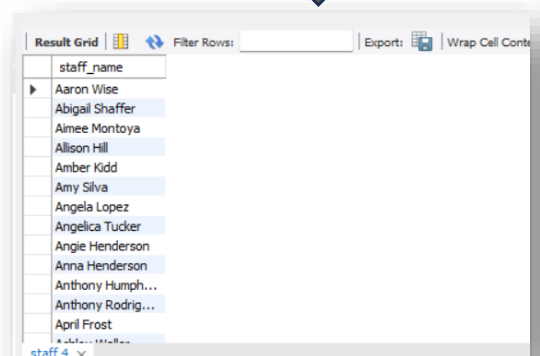   **ORDER BY** week **ASC,** patients_request **DESC**;

output

week	month	service	available_beds	patients_request	patients_admitted	patients_refused	patients_satisfaction	staff_morale	event
▶ 1	1	general_medicine	37	201	37	164	97	43	flu
1	1	surgery	45	130	45	85	83	78	flu
1	1	emergency	32	76	32	44	67	70	none
1	1	ICU	22	31	22	9	84	91	flu
2	1	general_medicine	43	183	43	140	73	93	flu
2	1	emergency	28	169	28	141	75	64	none
2	1	surgery	40	26	26	0	96	56	none
2	1	ICU	16	7	7	0	79	85	donation
3	1	emergency	32	177	32	145	73	58	flu
3	1	surgery	27	66	27	39	63	72	flu
3	1	general_medicine	37	58	37	21	95	63	none
3	1	ICU	20	21	20	1	82	89	none
4	1	emergency	32	157	32	125	83	75	none

services_weekly 3 ×

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3. Display staff members sorted alphabetically by their names.

   SELECT staff_name **FROM** staff
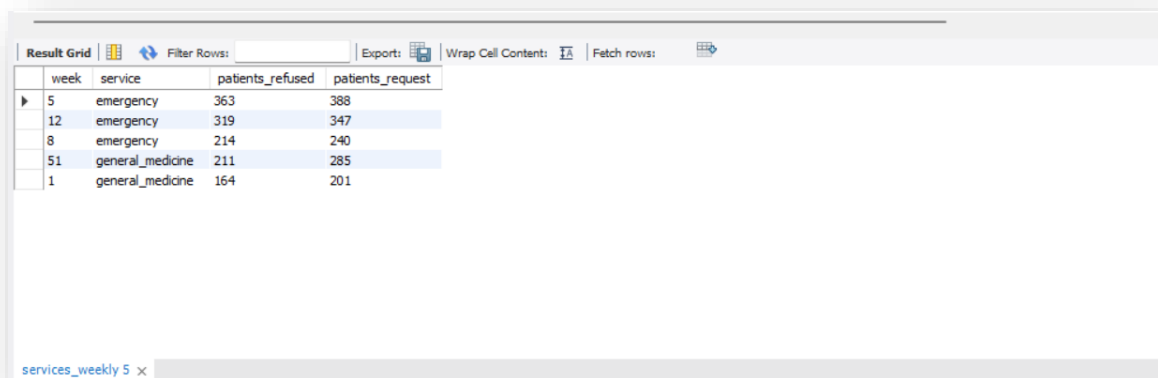
   ORDER BY staff_name **ASC** ;

output

staff_name
▶ Aaron Wise
Abigail Shaffer
Aimee Montoya
Allison Hill
Amber Kidd
Amy Silva
Angela Lopez
Angelica Tucker
Angie Henderson
Anna Henderson
Anthony Humph…
Anthony Rodrig…
April Frost

staff 4 ×

DAILY CHALLENGE – DAY 3

1. Retrieve the top 5 weeks with the highest patient refusals across all services, showing week, service, patients_refused and patient_request...sort by patients_refused in descending order.

```sql
SELECT week, service, patients_refused, patients_request FROM service_weekly;

ORDER BY patients_refused DESC

LIMIT 5;
```

output

week	service	patients_refused	patients_request
5	emergency	363	388
12	emergency	319	347
8	emergency	214	240
51	general_medicine	211	285
1	general_medicine	164	201

services_weekly 5 ✕