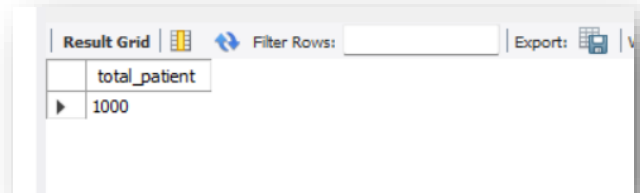# DAY 5
#SQLWithIDC

[21 DAYS SQL CHALLENGE]

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  [INDIAN DATA CLUB]

PRACTICE QUESTION

1. Count the total number of patients in the hospital.

```sql
SELECT DISTINCT COUNT(patient_id)
AS total_patient FROM patients;
```
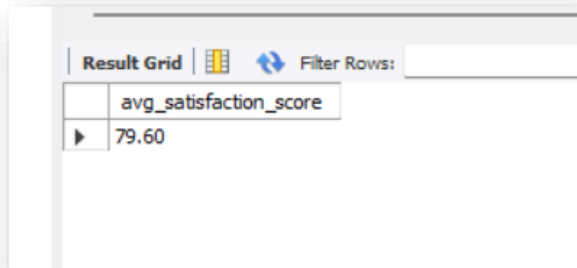
output

total_patient
1000

2. Calculate the average satisfaction score of all patients.

```sql
SELECT ROUND(AVG(satisfaction),2) AS
avg_satisfaction_score FROM patients;
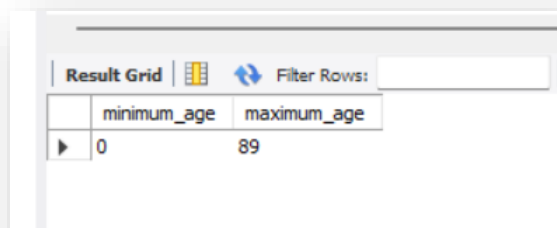```

output

| avg_satisfaction_score |
|---|
| 79.60 |

3. Find the minimum and maximum age of patients.

```sql
SELECT MIN(age) AS minimum_age, MAX(age)
AS maximum_age FROM patients;
```

output

minimum_age	maximum_age
0	89

DAILY CHALLENGE – DAY 5

1. Calculate the total number of patients admitted, total patients refused, and the average patient satisfaction across all services and weeks. Round the average satisfaction to 2 decimal places.

```sql
SELECT SUM(patients_admitted) AS total_admitted_patients,
SUM(patients_refused) AS total_patients_refused,
ROUND(AVG(patients_satisfaction),2) AS avg_satisfaction_score FROM
services_weekly;
```

output

```
127
128     -- Daily Challenge - Day 5
129     -- Calculate the total number of patients admitted, total patients refused, and the average patient satisfaction across all services and weeks.
130     -- Round the average satisfaction to 2 decimal places.
131  •  SELECT SUM(patients_admitted) AS total_admitted_patients, SUM(patients_refused) AS total_patients_refused,
132     ROUND(AVG(patients_satisfaction),2) AS avg_satisfaction_score
133     FROM services_weekly;
134
135     -- Practice Questions Day 6
136     -- 1.Count the number of patients by each service.
```

total_admitted_patients	total_patients_refused	avg_satisfaction_score
5851	7642	80.00

Result 4 ×