

Day 1 Challenge

Q1: Create Table

Scenario 1: Create a table named Patients with PatientID, PatientName, Age, Gender, and AdmissionDate.

Explanation: PatientID is a primary key (unique patient identifier).

Other fields are basic details of the patient needed by the hospital.

Q2: Alter – Add Column

Scenario 2: Add a new column DoctorAssigned VARCHAR (50).

Explanation: Adds a new attribute (column) to store the name of the doctor assigned to each patient.

Q3: Alter – Modify Column

Scenario 3: Increase the length of PatientName VARCHAR (50) to VARCHAR (100).

Explanation: Expands the size of the column to store long names.

Q4: Rename Table

Scenario 4: Rename Patients to Patient_Info

Explanation: Table name is changed; all data and structure remain same.

Q5: Truncate vs DROP

Scenario: At year end, delete all patient records but keep the table. Later, remove it permanently.

Explanation: Truncate – Delete all data by keeping table structure the same.

DROP – Removes the table completely from the database.