

## 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.