

1. Write a query to fetch **all patients along with their Zone name and Ward name**.
  2. Find the **total number of patients admitted in each Zone**.
  3. Display the **patient details who stayed for more than 10 days** in the hospital (use `AdmittedDate` and `DischargeDate`).
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4. Create a **sequence** `seq_patient_id` that generates unique patient IDs starting from 1000.
  5. Write a **trigger** before insert on `Patient Master` to automatically assign `PatientID` from the sequence.
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6. Create a trigger to **prevent inserting a patient with a DischargeDate earlier than AdmittedDate**.
  7. Create a trigger to **log deleted patient records** into a backup table `Patient_Audit` (with fields: `PatientID`, `DeletedDate`, `DeletedBy`).
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8. Write an **explicit cursor** to fetch all patients admitted in a particular Ward and print their names.
  9. Write a **cursor FOR loop** to calculate and display the **number of patients in each category**.
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10. Write a **procedure** `GetPatientDetails(p_id IN NUMBER)` that prints the patient name, category, ward, and zone.
  11. Write a **function** `GetStayDuration(p_id IN NUMBER)` that returns the total number of days a patient stayed.
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12. Create a **package** `HospitalPkg` with:

- **Specification:** contains two procedures `AdmitPatient` and `DischargePatient`.
  - **Body:**
    - `AdmitPatient` should insert patient details.
    - `DischargePatient` should update the `DischargeDate` of a patient.
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13. Find the **ward(s) that have the maximum number of patients**.
14. Display the **categories with no patients admitted yet**.
15. Write a query to show the **average stay duration of patients per category**.