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**.