Problem Statement: Database Design for Healthcare Records

Design a database system that supports the storage and retrieval of patient health information, ensuring data integrity, security, and accessibility for healthcare professionals.

Key Requirements:

1. **Patient Information:**

   Capture and store essential patient information such as name, date of birth, gender, contact details, and insurance information.

2. **Medical History:**

   Design tables to store patient medical history, including diagnoses, allergies, medications, and previous treatments.

3. **Encounter Records:**

   Create tables to track patient encounters, including details on appointments, admissions, and discharges.

4. **Diagnostic Tests and Results:**

   Implement tables to store information about diagnostic tests, including test types, results, and dates.

5. **Doctors Information:**

   Capture and manage information about Doctors

6. **Prescriptions:**

   Design tables to handle prescription data, including prescribed medications, dosage instructions, and dispensing details.

7. **Procedures and Surgeries:**

   Create tables to record details about medical procedures and surgeries performed on patients.

Deliverables:

1. ER diagram
2. Database design
3. Tables with at least 10 records