

Patient Registration

1. OBJECTIVES:

On completion of the case study the participant should be able to:

- Connectivity with Oracle database
- Apply Transaction management with database

2. PRE-REQUISITES

- Database Programming- Oracle SQL, PL/SQL

3. SKILLS/CONCEPTS

- Implementation and Integration skills to solve this case

4. DURATION IN HOURS

- 3 HRS

5. SCENARIO

ABC hospital has an outpatient division. When a new patient enters to the hospital, he / she need to register for an appointment with a Consulting doctor. The registration system provides the appointment with concerned doctor after receiving required fee. The hospital has many doctors in each division but only one doctor per division is allotted for outpatient works. Every doctor can attend maximum of 10 patients per day.

Provide a solution for the above registration purpose. On request provide necessary reports.

- Identify the tables, attributes and define them with relations
- Write the DB script to maintain above process.
- Implement this in the form of Procedures and functions, and Triggers.

6. DELIVERABLES

- a. Normalized Tables(up to 3NF)
- b. Table definitions with Relationships
- c. Applying Integrity constraints
- d. Defining the re-usable components
- e. Handling suitable exceptions
- f. Implement the solution with suitable Packages, Procedures, Functions, Cursors etc
- g. Implementing the Database triggers