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SQL Training

Lesson-End Project Problem Statement



**Patient Diagnosis Report**

**Problem scenario:**

You are a data analyst working in a hospital and you have been asked to store the patients’ diagnosis reports as a best practice.

**Objective:**

The objective is to design a database to retrieve, update, and modify the patients’ details to keep track of the patients’ health.

**Note:** Download the **patients\_datasets.csv** file from **Course Resources** to perform the required tasks

**Task to be performed:**

1. Write a query to create a **patients** table with the date, patient ID, patient name, age, weight, gender, location, phone number, disease, doctor name, and doctor ID fields
2. Write a query to insert values into the **patients** table
3. Write a query to display the total number of patients in the table
4. Write a query to display the patient ID, patient name, gender, and disease of the oldest (age) patient
5. Write a query to display patient id and patient name with the **current date**.
6. Write a query to display the old patient name and new patient name in uppercase
7. Write a query to display the patients' names along with the total number of characters in their name
8. Write a query to display the gender of the patient as M or F along with the patient's name
9. Write a query to combine the patient's name and doctor's name in a new column
10. Write a query to display the patients’ age along with the logarithmic value (base 10) of their age
11. Write a query to extract the year for a given date and place it in a separate column
12. Write a query to check the patient’s name and doctor’s name are similar and display **NULL**, else return the patient’s name
13. Write a query to check if a patient’s age is greater than 40 and display **Yes** if it is and **No** if it isn't
14. Write a query to display duplicate entries in the doctor name column