CS232L - DATABASE MANAGEMENT SYSTEMS LAB

DATA SCIENCE

Lab 08

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Task:

A HOSPITAL wants to implement a database system to manage the information about PAIENTS. As a database designer, the company wants you to design the database schema to store details about.

PATIENTS (p_no VARCHAR(13) PRIMARY KEY**, Name** VARCHAR(100) NOT NULL**, Doctor** VARCHAR(100) NOT NULL**, Admission_year** INTEGER CHECK (admission_year > 0), **Age** NUMERIC CHECK (age >= 0))

INSERT FOLLOWING VALUES:

('978-1982127794', 'George Orwell', 'Dr. Charles', 1999, 78),

('978-0141187761', 'Harper Lee', 'Dr. Mohini', 2004, 67),

('978-0061120084', 'Maria Collin', 'Dr. Charles', 2011, 50);

The company wants you to perform the following operations on the database:

1. Create the following User-Defined function:
   Patients_record (p_no VARCHAR)
   That retrieves the record of the patient whose p_no matches the given parameter.
2. Create a cursor that loops next and retrieves the names of the patients and their admission year.
3. Write a query to create a procedure that retrieves the records of the patient whose id is given as a parameter and highlight the difference between User defined function and procedure.