# LESSON END PROJECT – MODULE 7

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Objectives:

* Write a query to create a **patients table** with the fields such as date, patient id, patient name, age, weight, gender, location, phone number, disease, doctor name, and doctor id.
* Write a query to **insert** values into the **patients table**.
* Write a query to display the **total number of patients** in the table.
* Write a query to display the patient id, patient name, gender, and disease of the patient whose **age is maximum**.
* Write a query to display patient id and patient name with the **current date**.
* Write a query to display the **old patient’s name** and **new patient's name** in **uppercase**.
* Write a query to display the patient’s name along with the **length of their name.**
* Write a query to display the patient’s name, and the **gender** of the patient must be mentioned as **M or F**.
* Write a query to **combine the names of the patient** and the doctor in a new column.
* Write a query to display the patients’ age along with the **logarithmic value** (base 10) **of their age**.
* Write a query to **extract the year** from the given date in a separate column.
* Write a query to return **NULL** if the **patient’s name and doctor’s name are similar** else return the **patient’s name**.
* Write a query to return**Yes** if the **patient’s age is greater than 40** else return **No**.
* Write a query to display the **doctor’s duplicate name** from the table.

CODE:

CREATE DATABASE pdb7;

USE pdb7;

CREATE TABLE pdb7.p\_rec(

admit\_date date NOT NULL,

pid varchar(45) NOT NULL,

p\_name varchar(45) NOT NULL,

age int NOT NULL,

weight int NOT NULL,

gender varchar(25) NOT NULL,

location varchar(45) NOT NULL,

phone\_no int NOT NULL,

disease varchar(45) NOT NULL,

doctor\_name varchar(45) NOT NULL,

doctor\_id int NOT NULL,

PRIMARY KEY(pid));

INSERT INTO pdb7.p\_rec(admit\_date, pid, p\_name, age, weight, gender, location, phone\_no,

disease, doctor\_name, doctor\_id) VALUES ('2019-05-02', 'AP2029', 'Akash', '36', '78',

'Male', 'Bangalore', '98242', 'Gastro', 'Vivek', '25');

SELECT COUNT(pid) as patient\_count FROM pdb7.p\_rec;

Select max(age) as Max\_age from pdb7.p\_rec;

Select pid, p\_name, now() as currentdate from pdb7.p\_rec;

Select p\_name, ucase(p\_name) as Upper\_P\_name from pdb7.p\_rec;

Select p\_name, length(p\_name) as Name\_Length from pdb7.p\_rec;

Select p\_name, mid(gender, 1, 1) as sex from pdb7.p\_rec;

select p\_name, doctor\_name, concat(p\_name, doctor\_name) as patient\_doc\_name from pdb7.p\_rec;

select age, log10(age) as log\_age from pdb7.p\_rec;

Select \*, extract(year from admit\_date) as admit\_year from pdb7.p\_rec;

Select nullif(p\_name, doctor\_name) from pdb7.p\_rec;

Select age, if(age>40, 'YES', 'NO') from pdb7.p\_rec;

Select doctor\_name, COUNT(\*) as occurences from pdb7.p\_rec GROUP BY doctor\_name having count(\*)>1;

























