SQL PROJECT

Topic: Create project table and insert all data.

Task:

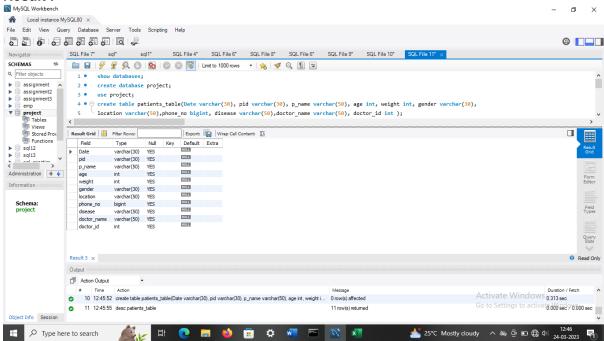
1. Write a query to create a patients table with the fields such as date, patient id, patient name, age, weight, gender, location, phone number, disease, doctor name, and doctor id.

Ans: Query

use project;

create table patients_table(Date varchar(30), pid int, p_name varchar(50), age int, weight int, gender varchar(30),location varchar(50),phone_no bigint, disease varchar(50),doctor_name varchar(50), doctor_id int);

desc patients_table;



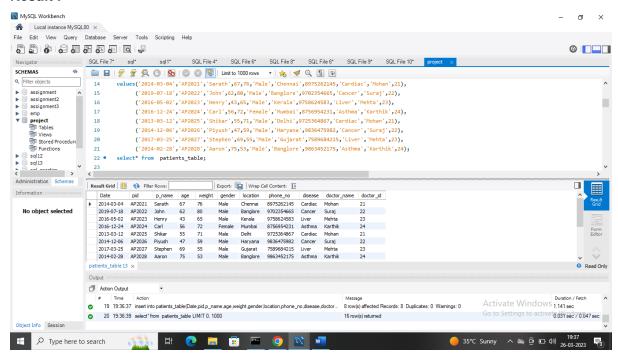
2. Write a query to insert values into the patients table.

Ans: Query

insert into

patients_table(Date,pid,p_name,age,weight,gender,location,phone_no,disease,doctor_name, doctor_id) values

('2014-03-04','AP2021','Sarath',67,76,'Male','Chennai',8975262145,'Cardiac','Mohan',21), ('2019-07-18','AP2022','John',62,80,'Male','Banglore',9702354665,'Cancer','Suraj',22), ('2016-05-02','AP2023','Henry',43,65,'Male','Kerala',9758624583,'Liver','Mehta',23), ('2016-12-24','AP2024','Carl',56,72,'Female','Mumbai',8756954231,'Asthma','Karthik',24), ('2013-03-12','AP2025','Shikar',55,71,'Male','Delhi',9725364867,'Cardiac','Mohan',21), ('2014-12-06','AP2026','Piyush',47,59,'Male','Haryana',9836475982,'Cancer','Suraj',22), ('2017-03-25','AP2027','Stephen',69,55,'Male','Gujarat',7589684215,'Liver','Mehta',23), ('2014-02-28','AP2028','Aaron',75,53,'Male','Banglore',9863452175,'Asthma','Karthik',24); select* from patients table;

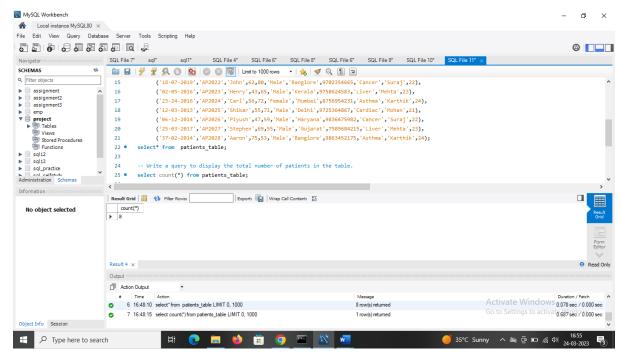


3. Write a query to display the total number of patients in the table.

Ans : Query

select count(*) from patients_table;

Result



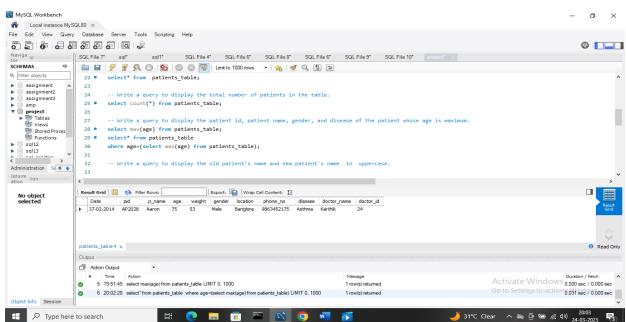
4. Write a query to display the patient id, patient name, gender, and disease of the patient whose age is maximum.

Ans : Query

select max(age) from patients_table;

select* from patients table

where age=(select max(age) from patients_table);

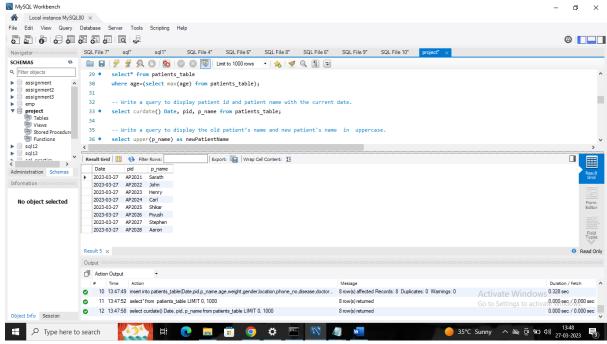


5. Write a query to display patient id and patient name with the current date.

Ans: Query

select curdate() Date, pid, p_name from patients_table;

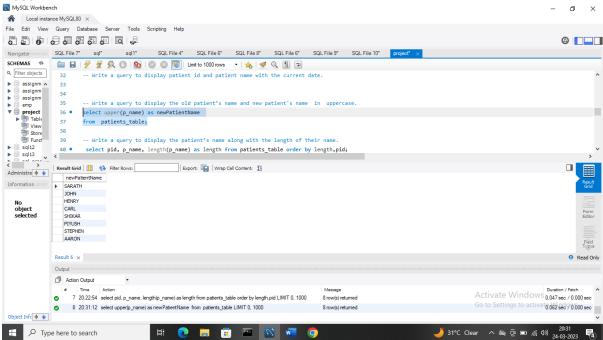
Result:



Write a query to display the old patient's name and new patient's name in uppercase.

Ans : Query

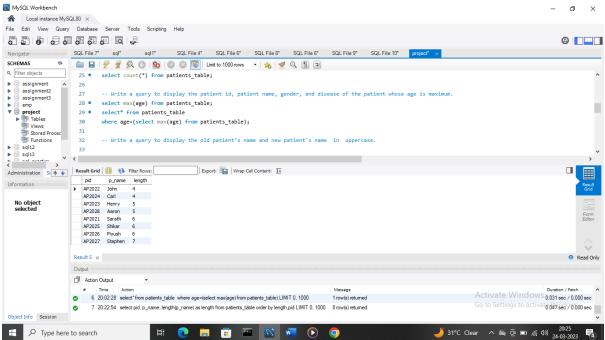
select upper(p_name) as newPatientName from patients_table;



7. Write a query to display the patient's name along with the length of their name. Ans : Query

select pid, p_name, length(p_name) as length from patients_table order by length,pid;

Result:

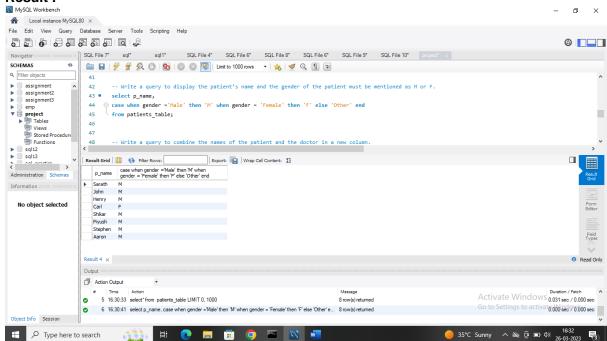


8. Write a query to display the patient's name, and the gender of the patient must be mentioned as M or F.

Ans: Query

select p_name,

case when gender = 'Male' then 'M' when gender = 'Female' then 'F' else 'Other' end from patients_table;

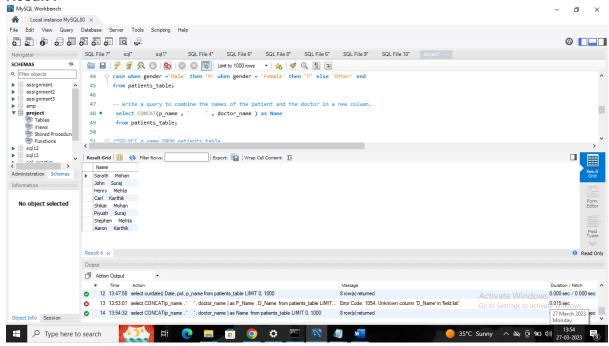


9. Write a query to combine the names of the patient and the doctor in a new column.

Ans: Query

select CONCAT(p_name , ' ', doctor_name) as Name from patients_table;

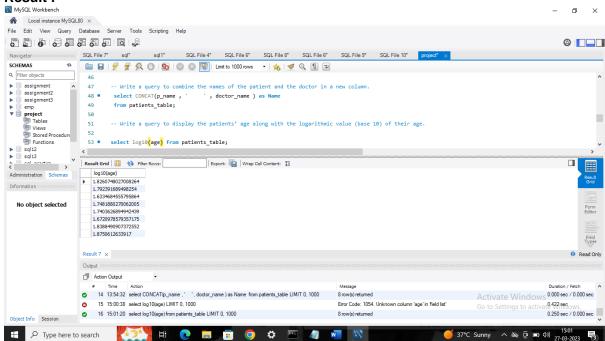
Result:



10. Write a query to display the patients' age along with the logarithmic value (base 10) of their age.

Ans: Query

select log10(age) from patients_table;



11. Write a guery to extract the year from the given date in a separate column.

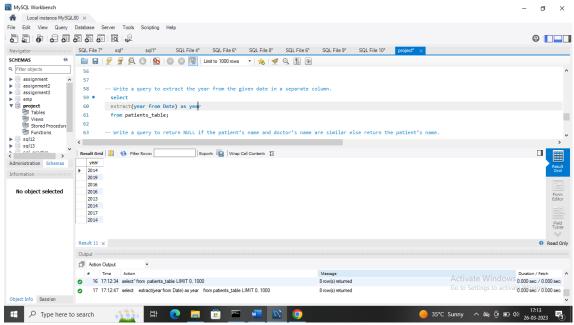
Ans: Query

select

extract(year from Date) as year

from patients_table;

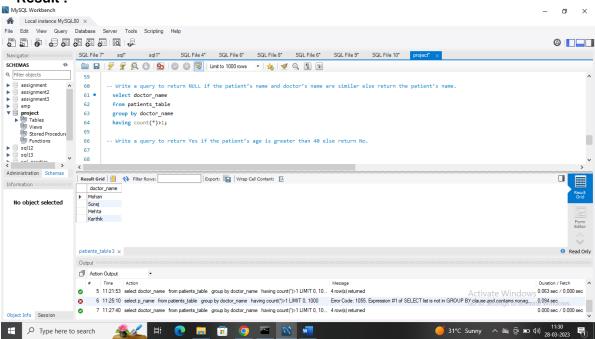
Result:



12. Write a query to return NULL if the patient's name and doctor's name are similar else return the patient's name.

Ans: Query

select doctor_name from patients_table group by doctor_name having count(*)>1;



13. Write a query to display the doctor's duplicate name from the table.

Ans: Query

select doctor_name,count(*) as occurrence from
patients_table group by doctor_name having count(*)>1;

