

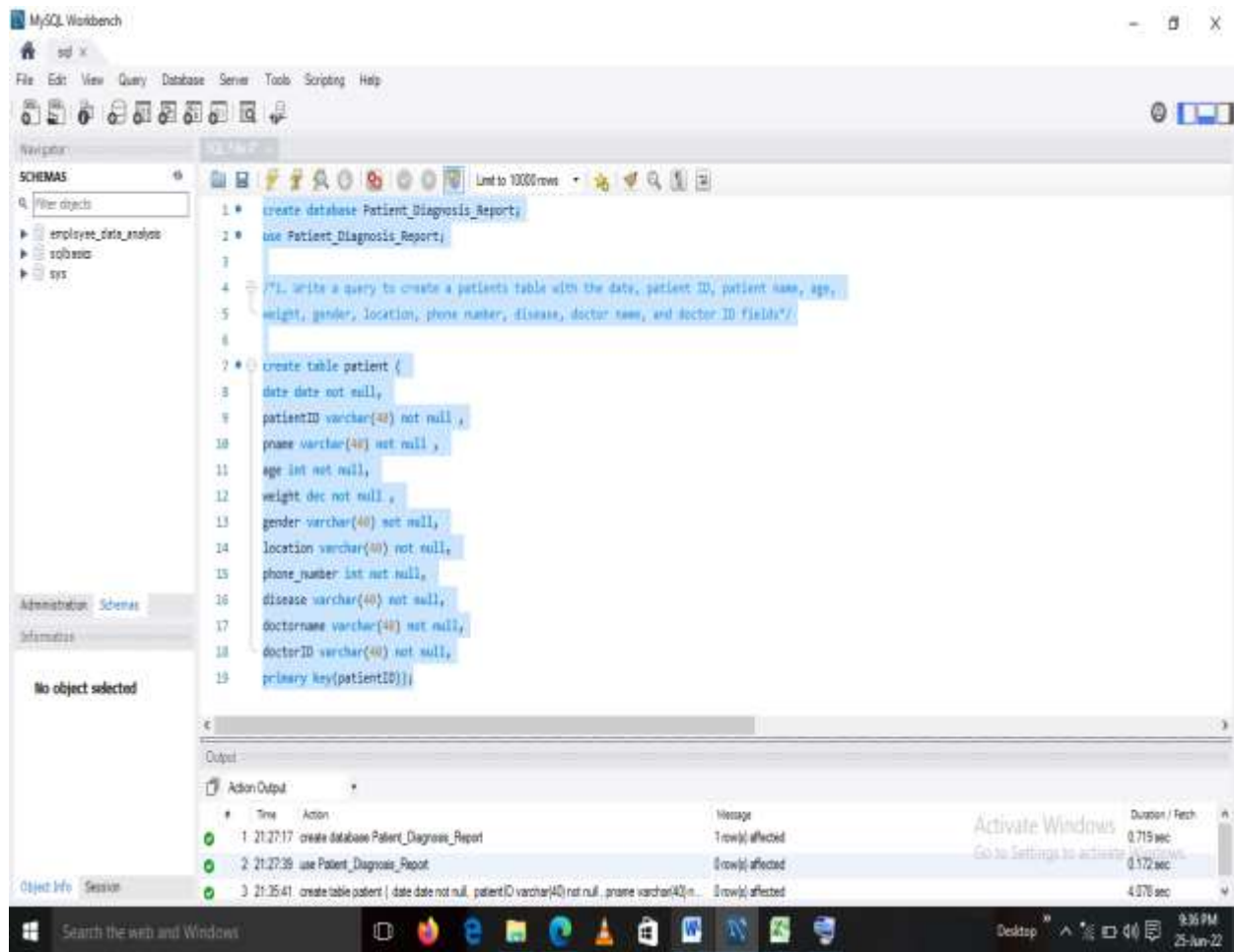
Patient_Diagnosis_Report

```
create database Patient_Diagnosis_Report;
```

```
use Patient_Diagnosis_Report;
```

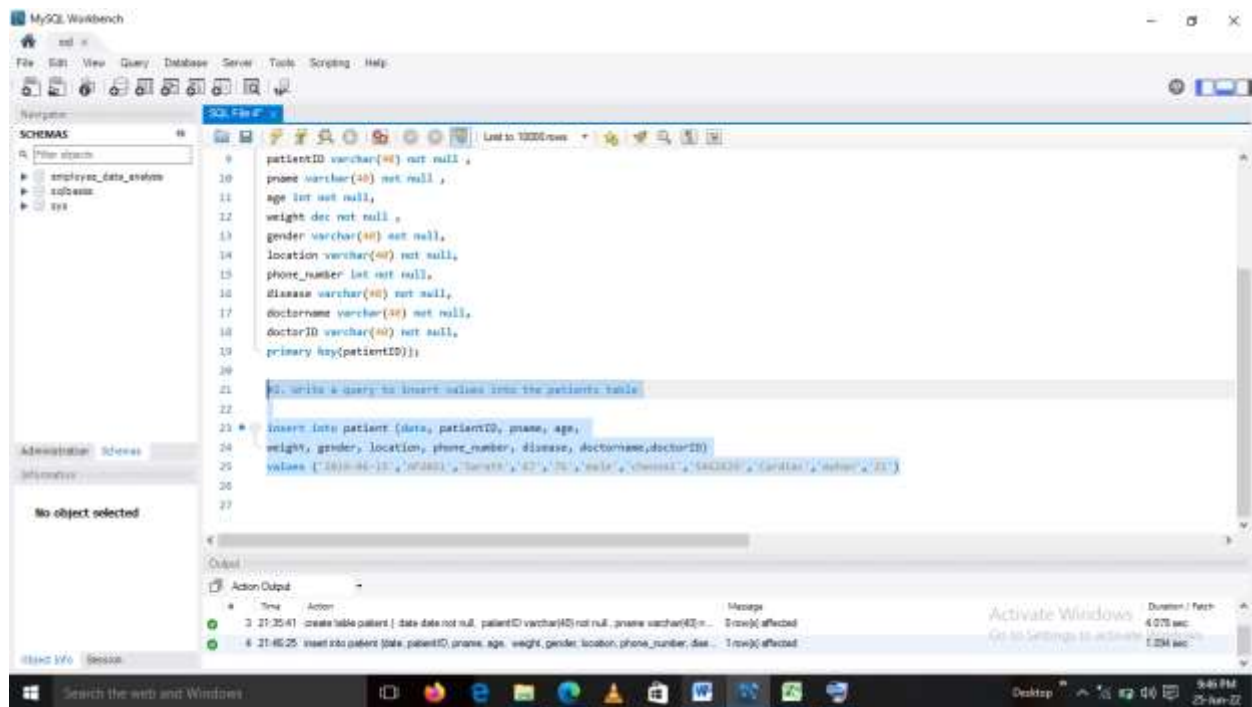
/*1. Write a query to create a patients table with the date, patient ID, patient name, age, weight, gender, location, phone number, disease, doctor name, and doctor ID fields*/

```
create table patient (  
date date not null,  
patientID varchar(40) not null ,  
pname varchar(40) not null ,  
age int not null,  
weight dec not null ,  
gender varchar(40) not null,  
location varchar(40) not null,  
phone_number int not null,  
disease varchar(40) not null,  
doctortname varchar(40) not null,  
doctorID varchar(40) not null,  
primary key(patientID));
```



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

insert into patient (date, patientID, pname, age,
weight, gender, location, phone_number, disease, doctorname,doctorID)
values ('2019-06-15','AP2021','Sarath','67','76','male','chennai','5462829','Cardiac','mohan','21')



```

insert into patient (date, patientID, pname, age,
weight, gender, location, phone_number, disease, doctorname, doctorID)
values ('2019-02-19','AP2022','john','62','80','male','Bangalore','1234731','cancer','suraj','22')

```

```

insert into patient (date, patientID, pname, age,
weight, gender, location, phone_number, disease, doctorname, doctorID)
values ('2018-01-08','AP2023','henry','45','65','male','kerala','9028320','live','mehta','23')

```

```

insert into patient (date, patientID, pname, age,
weight, gender, location, phone_number, disease, doctorname, doctorID)
values ('2020-02-20','AP2024','carl','56','72','female','mumbai','95678543','ashtama','kartik','24')

```

```

insert into patient (date, patientID, pname, age,
weight, gender, location, phone_number, disease, doctorname, doctorID)

```

values ('2017-09-15','AP2025','shikar','51','71','male','delhi','1234567','Cardiac','mohan','21')

insert into patient (date, patientID, pname, age,

weight, gender, location, phone_number, disease, doctorname,doctorID)

values ('2018-07-22','AP202','piyush','47','59','male','haryana','9843234','cancer','suraj','22')

insert into patient (date, patientID, pname, age,

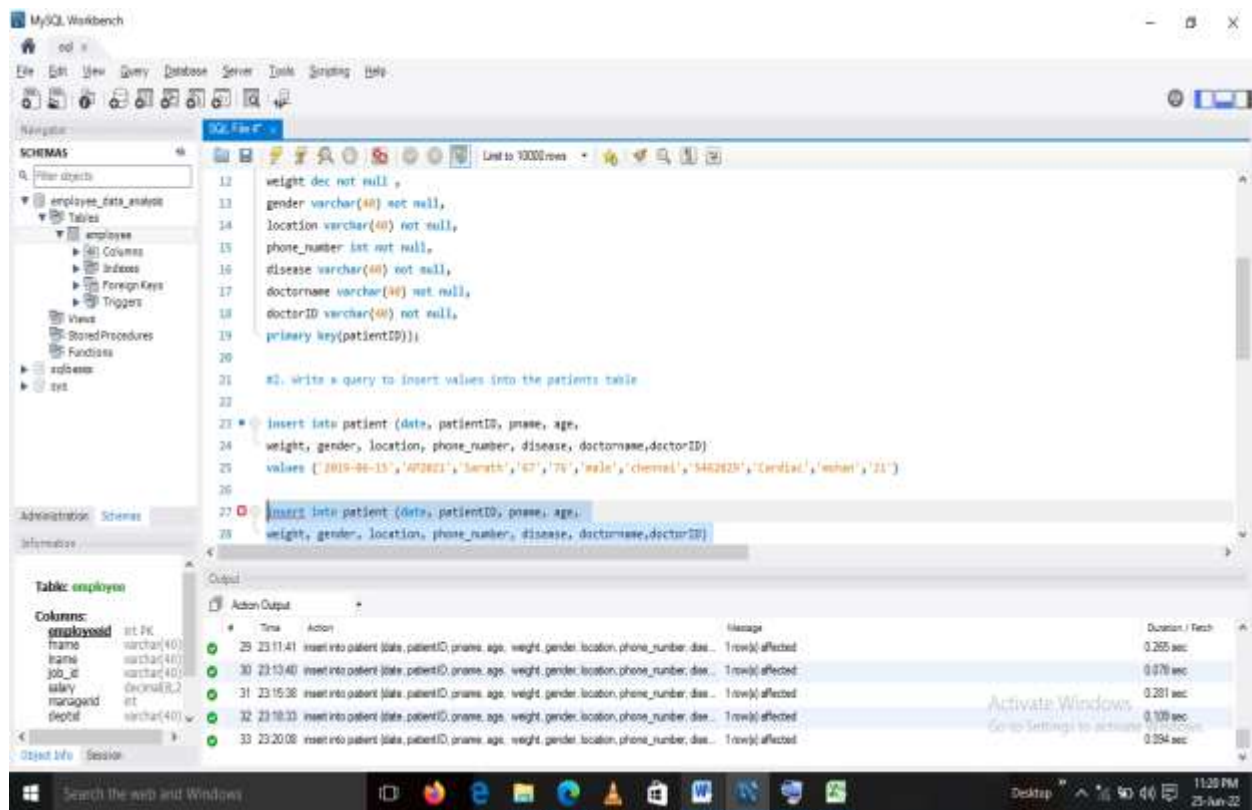
weight, gender, location, phone_number, disease, doctorname,doctorID)

values ('2017-03-25','AP2027','stipen','69','55','male','gujrat','3435678','live','mehta','23')

insert into patient (date, patientID, pname, age,

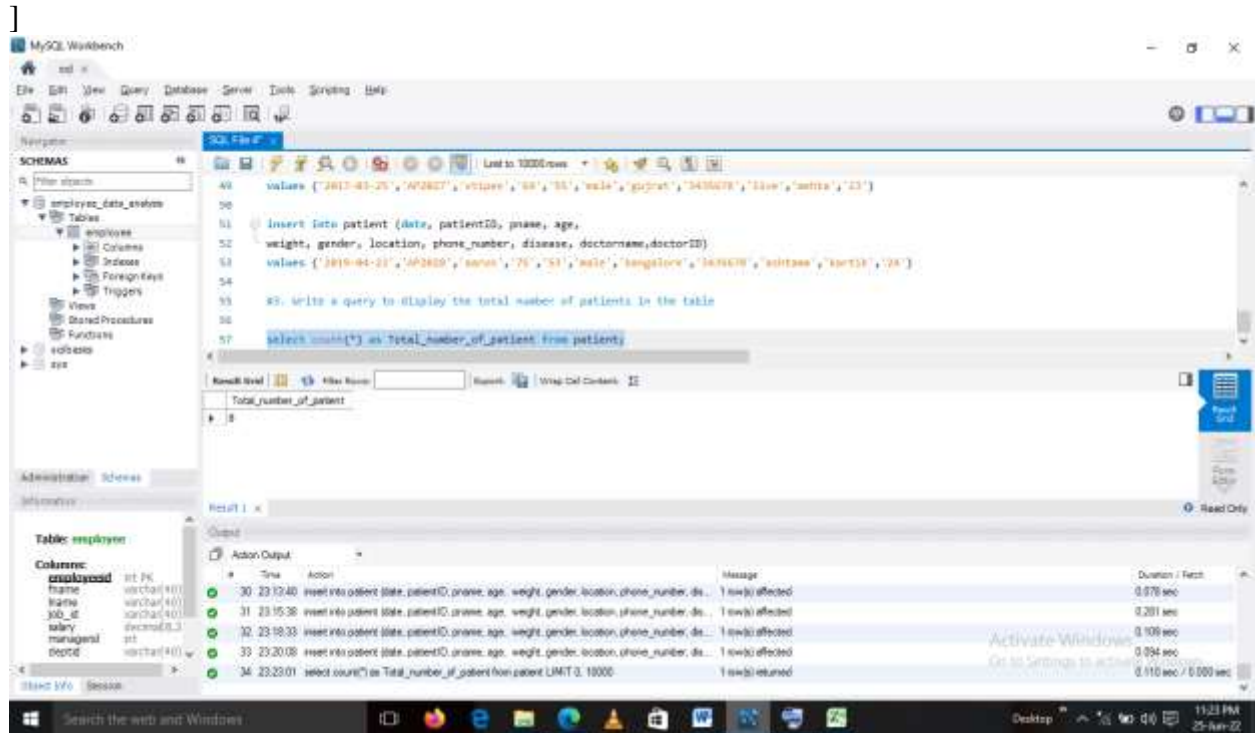
weight, gender, location, phone_number, disease, doctorname,doctorID)

values ('2019-04-22','AP2028','aaron','75','53','male','bangalore','3435678','ashtama','kartik','24')



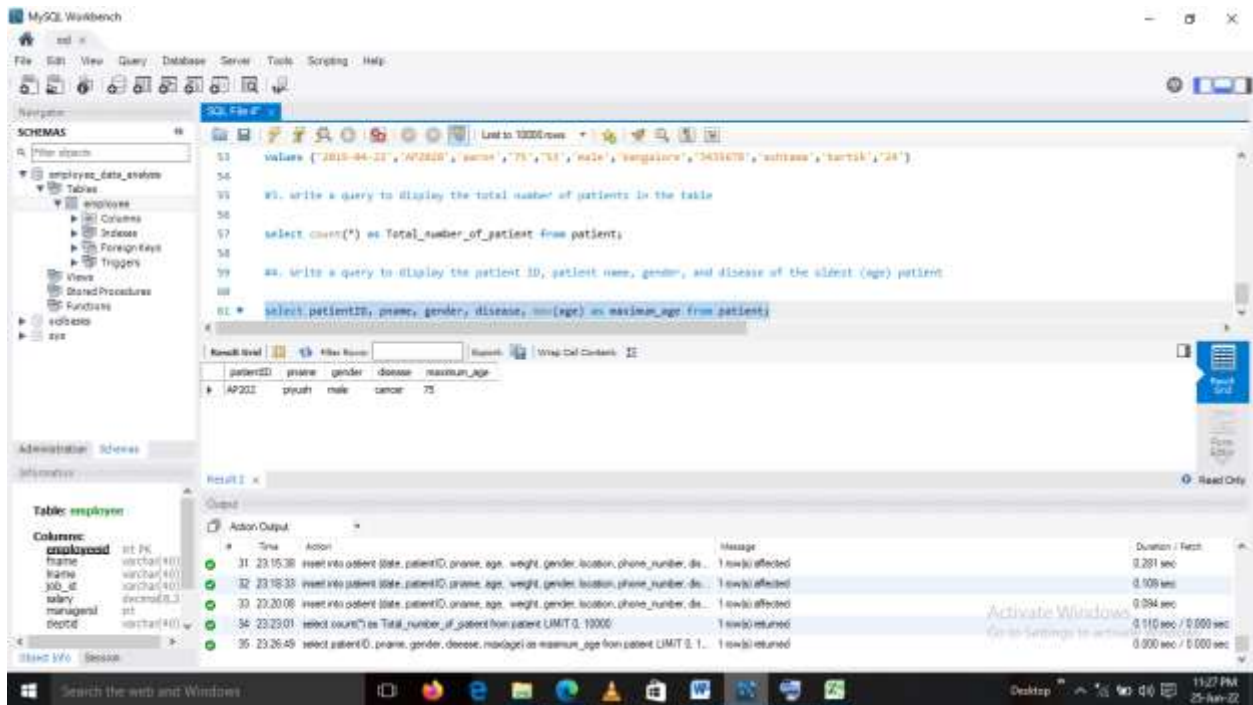
#3. Write a query to display the total number of patients in the table

select count(*) as Total_number_of_patient from patient;



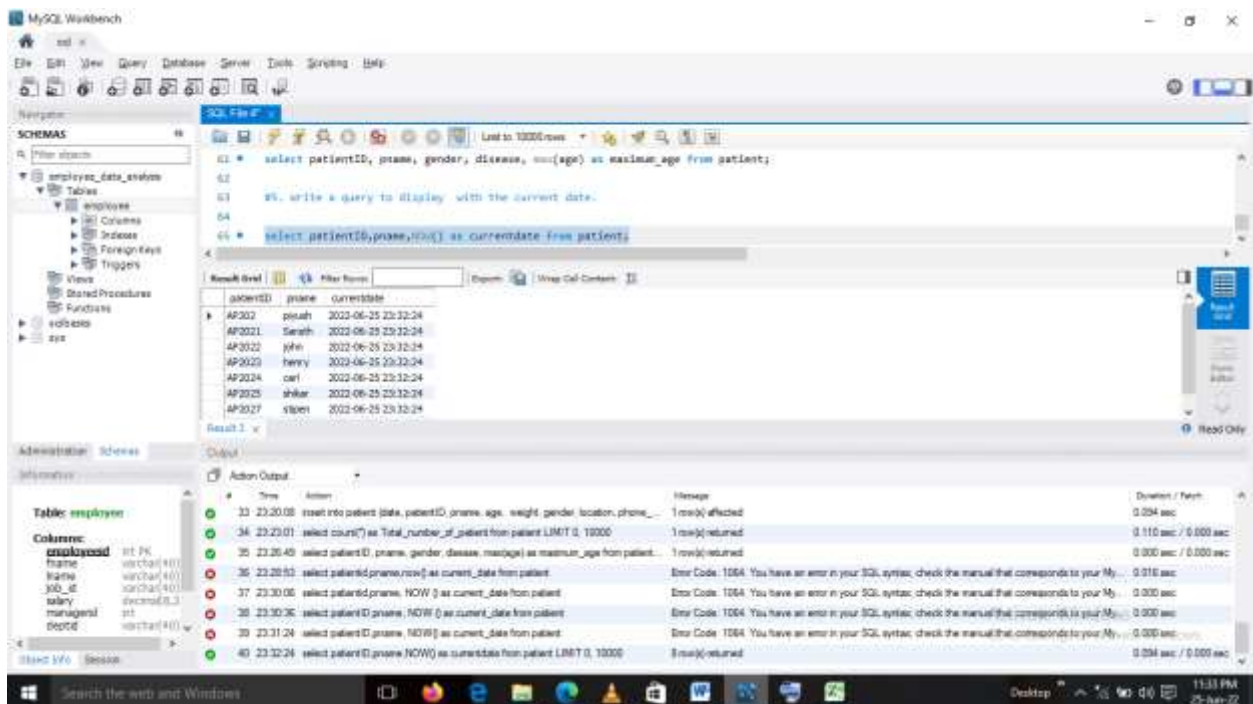
#4. Write a query to display the patient ID, patient name, gender, and disease of the oldest (age) patient

select patientID, pname, gender, disease, max(age) as maximum_age from patient;



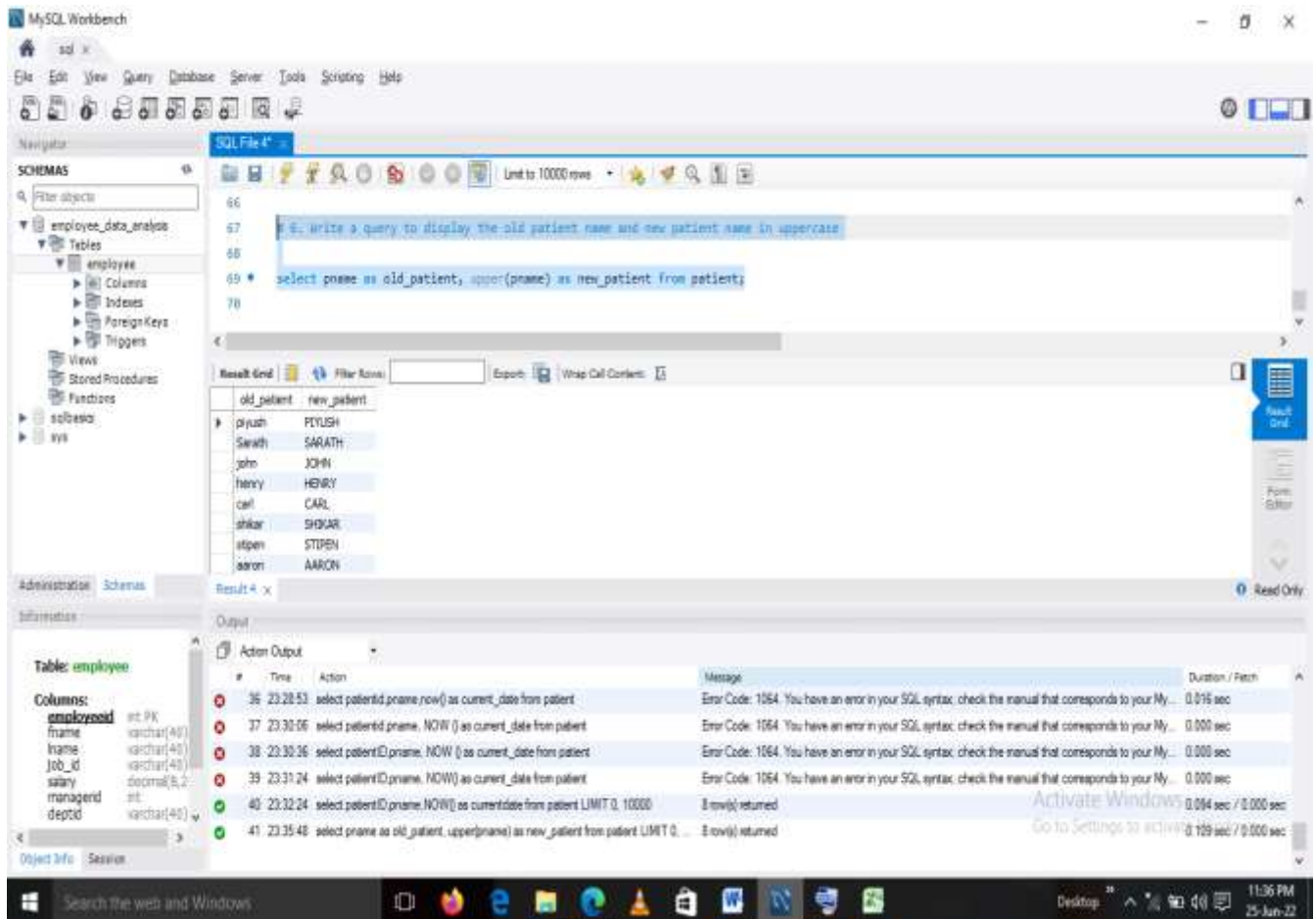
#5. Write a query to display with the current date.

select patientID,pname,NOW() as currentdate from patient;



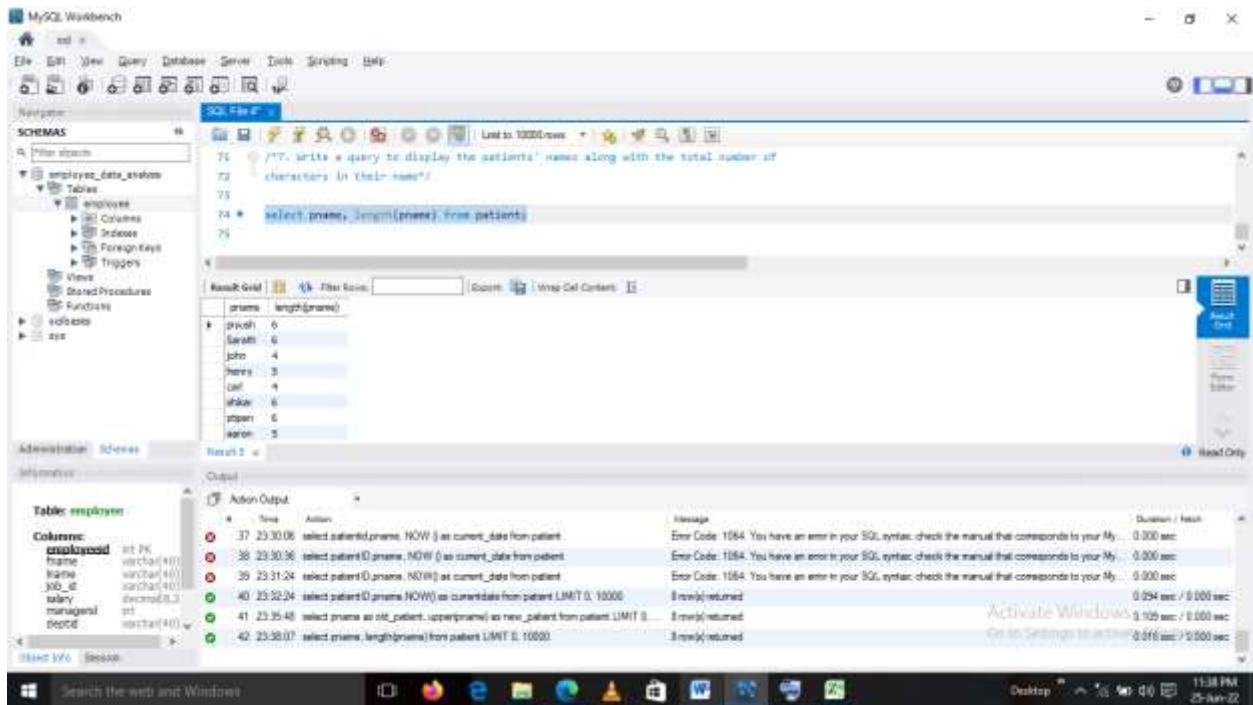
6. Write a query to display the old patient name and new patient name in uppercase

select pname as old_patient, upper(pname) as new_patient from patient;

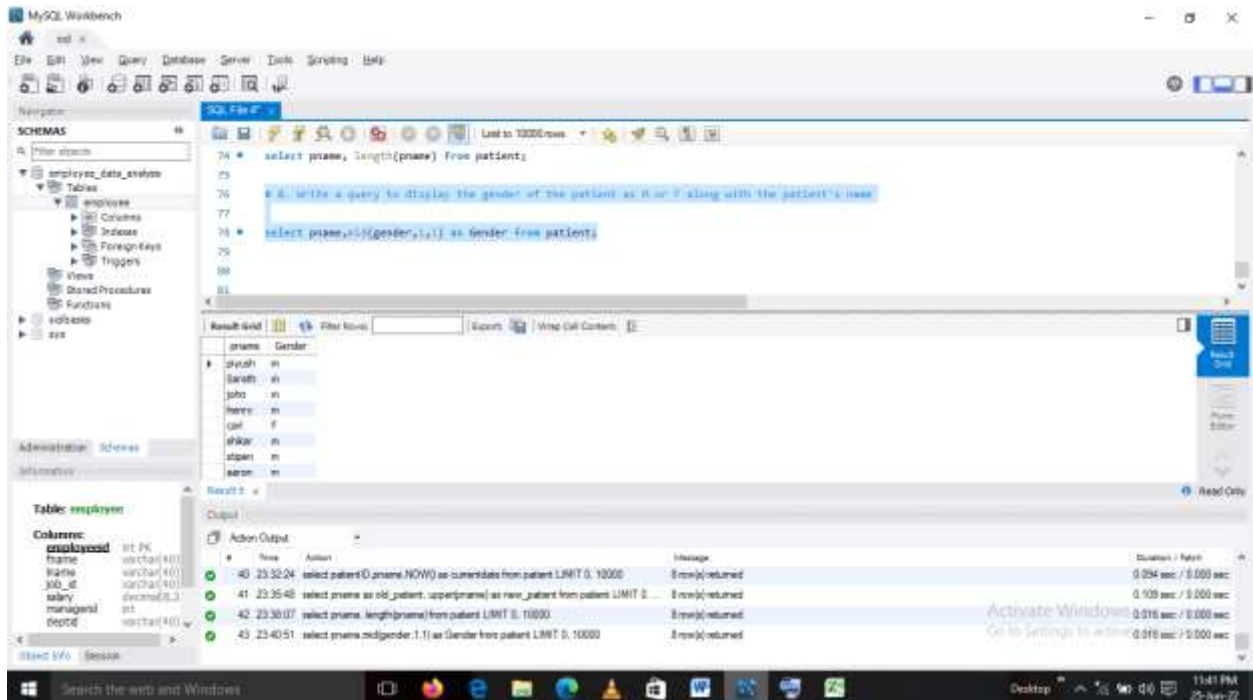


/*7. Write a query to display the patients' names along with the total number of characters in their name*/

select pname, length(pname) from patient;

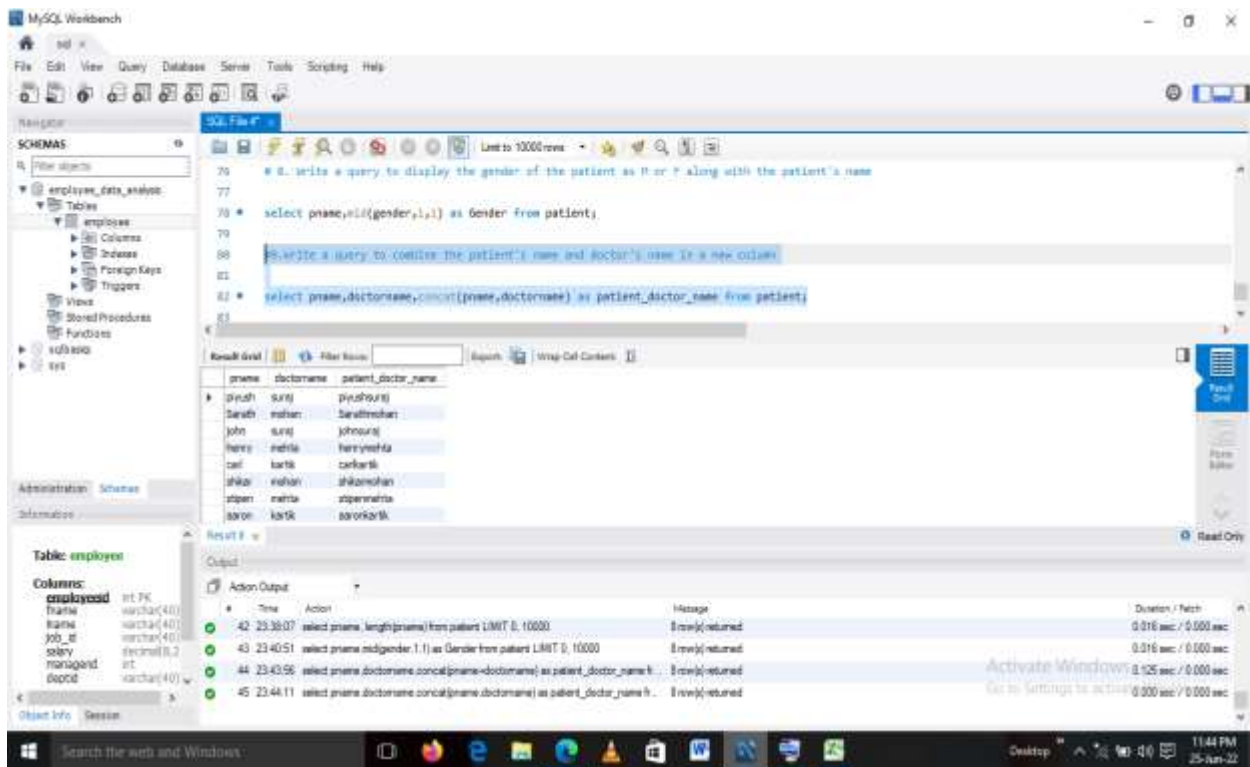


8. Write a query to display the gender of the patient as M or F along with the patient's name
 select pname, mid(gender,1,1) as Gender from patient;



#9. Write a query to combine the patient's name and doctor's name in a new column

select pname,doctorname,concat(pname,doctorname) as patient_doctor_name from patient;



/*10. Write a query to display the patients' age along with the logarithmic value

(base 10) of their age*/

select age,log10(age) as log_age from patient;

MySQL Workbench

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Tables

employees

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Information

Table: employees

Columns:

emp_id PK varchar(40)

fname varchar(40)

lname varchar(40)

job_id varchar(40)

salary decimal(8,2)

managerid int

deptid varchar(40)

Standard Info Session

SQL File #1

Last 10000 rows

```

01
02 * select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient;
03
04
05 /*11. Write a query to display the patients' age along with the logarithmic value
06 (base 10) of their age*/
07
08 * select age,log10(age) as log_age from patients;

```

Result Grid

age	log_age
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179
47	1.6720976559357179

Action Output

Time	Action	Message	Duration / Refresh
43	23:40:51	select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient LIMIT 0, 10000	0.016 sec / 0.000 sec
44	23:43:56	select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient LIMIT 0, 10000	0.125 sec / 0.000 sec
45	23:44:11	select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient LIMIT 0, 10000	0.000 sec / 0.000 sec
46	23:46:50	select age,log10(age) as log_age from patients LIMIT 0, 10000	0.110 sec / 0.000 sec

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#11. Write a query to extract the year for a given date and place it in a separate column

select *, year(date) as Year from patient;

MySQL Workbench

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job_id varchar(40)

salary decimal(8,2)

managerid int

deptid varchar(40)

Standard Info Session

SQL File #1

Last 10000 rows

```

01
02 * select age,log10(age) as log_age from patients;
03
04
05 /*11. Write a query to extract the year for a given date and place it in a separate column
06 */
07
08 * select *, year(date) as Year from patient;

```

Result Grid

date	patientID	fname	age	weight	gender	location	phone_number	disease	doctorname	doctorID	Year
2018-07-22	AP2021	pruthi	47	59	male	haridwar	9843234	Cancer	suraj	22	2018
2019-06-15	AP2021	Shresth	47	76	male	chennai	9462629	Cardiac	malhan	21	2019
2019-02-19	AP2020	john	62	88	male	Bangalore	1234731	Cancer	suraj	22	2019
2018-01-08	AP2023	harry	45	65	male	Kerala	9028320	flu	malha	23	2018
2020-02-20	AP2024	carl	56	72	female	mumbai	95676143	asthma	karthi	24	2020
2017-09-15	AP2025	shkar	51	71	male	delhi	1234567	Cardiac	malhan	21	2017
2017-03-25	AP2027	shyam	69	55	male	gurgaon	3435678	flu	malha	23	2017
2019-04-02	AP2028	axeren	75	53	male	Bangalore	3435678	asthma	karthi	24	2019

Action Output

Time	Action	Message	Duration / Refresh
44	23:43:56	select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient LIMIT 0, 10000	0.125 sec / 0.000 sec
45	23:44:11	select fname,doctorname,concat(fname,doctorname) as patient_doctor_name from patient LIMIT 0, 10000	0.000 sec / 0.000 sec
46	23:46:50	select age,log10(age) as log_age from patients LIMIT 0, 10000	0.110 sec / 0.000 sec
47	23:49:12	select *, year(date) as Year from patient LIMIT 0, 10000	0.034 sec / 0.000 sec

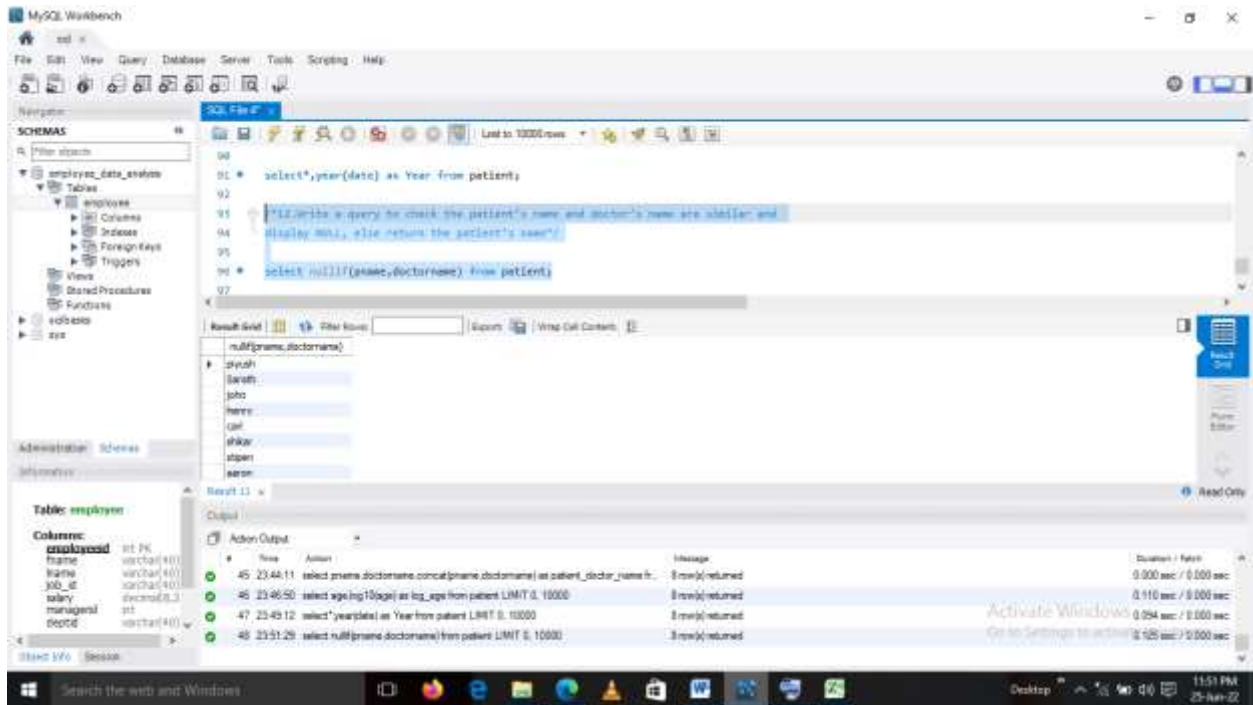
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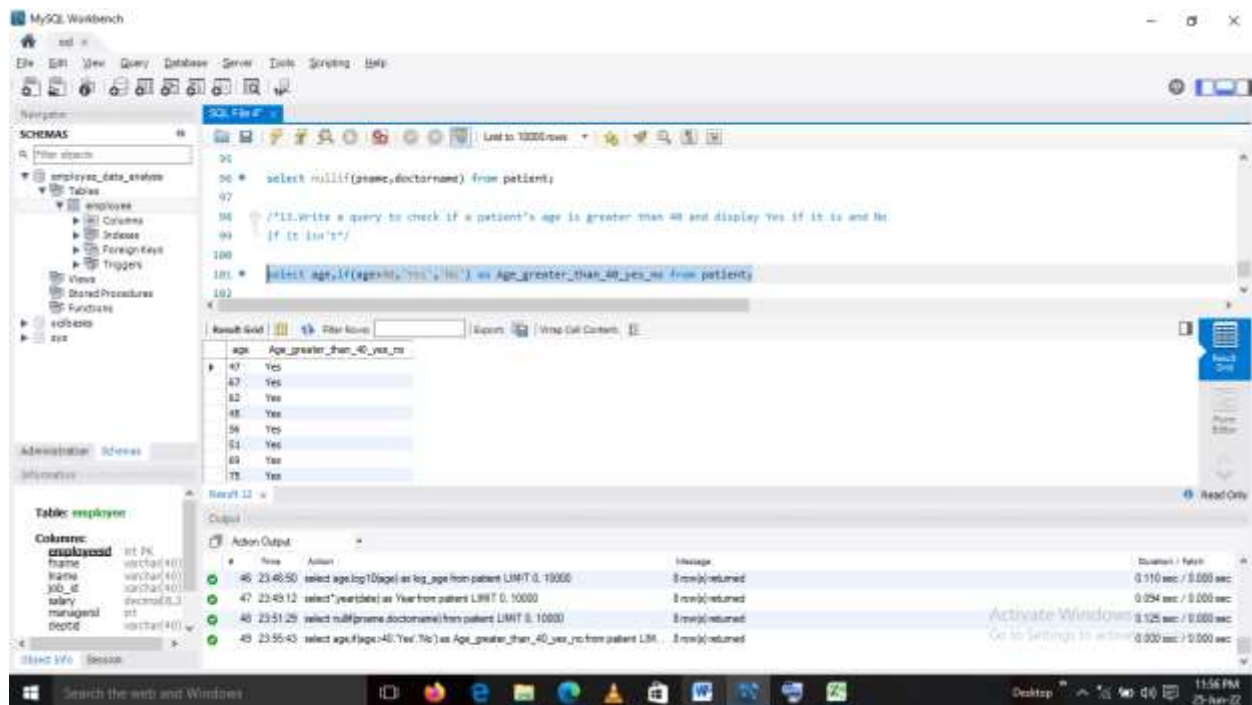
/*12. Write a query to check the patient's name and doctor's name are similar and display NULL, else return the patient's name*/

select nullif(pname,doctorname) from patient;



/*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*/

select age,if(age>40,'Yes','No') as Age_greater_than_40_yes_no from patient;



#14. Write a query to display duplicate entries in the doctor name column

select doctorname,count(*) occurrences from patient

group by doctorname having count(*)>1;

