DBMS LAB ASSIGNMENT-3

NAME:-JAYNIT PATEL ROLL NO:-19BCS120

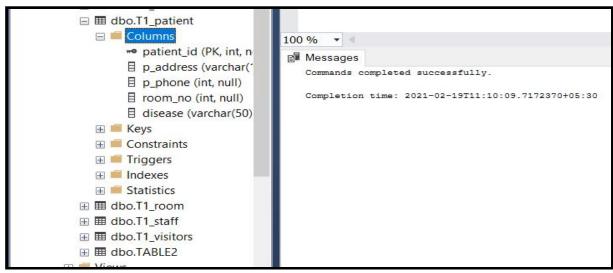
Q1)Add, Modify and Delete Column using Alter Command? ANS)

QUERY:-

DROP:-

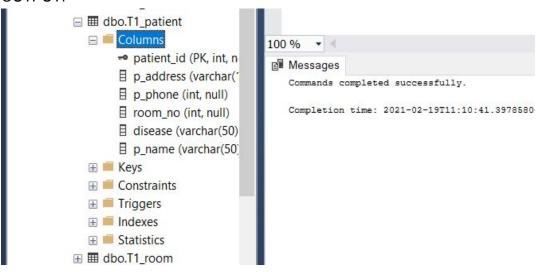
use iiit
ALTER TABLE T1_patient
DROP COLUMN p name

OUTPUT:-



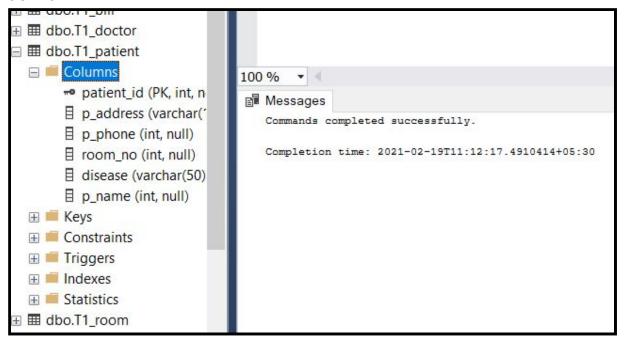
ADD:-

use iiit
ALTER TABLE T1_patient
ADD p_name VARCHAR(50)



• MODIFY:-

use iiit
ALTER TABLE T1_patient
ALTER COLUMN p_name INT



Q2)Insert 20 Employees Data into all the tables. Use all the 3 methods that I have Showcased?

ANS)

QUERY:-

COLUMN -WISE:-

use iiit

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('1','ADAJAN','1234567890','101','TYPHOID','VINOD')

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('2','ADAJAN','1234567890','102','TYPHOID','BINOD')

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('3','ADAJAN','1234567890','103','COVID','JAY')

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('4','ADAJAN','1234567890','102','TYPHOID','NAMAN')

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('5','ADAJAN','1234567890','101','FOOD POISON','AMAN')

ROW-WISE:-

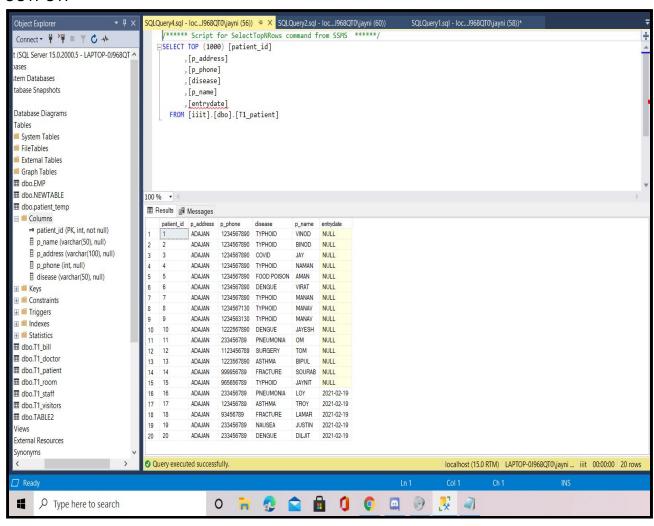
use iiit

INSERT INTO T1_patient VALUES ('6','ADAJAN','1234567890','DENGUE','VIRAT')
INSERT INTO T1_patient VALUES ('7','ADAJAN','1234567890','TYPHOID','MANAN')
INSERT INTO T1_patient VALUES ('8','ADAJAN','1234567130','TYPHOID','MANAV')
INSERT INTO T1_patient VALUES ('9','ADAJAN','1234563130','TYPHOID','MANAV')
INSERT INTO T1_patient VALUES ('10','ADAJAN','22567890','DENGUE','JAYESH)
INSERT INTO T1_patient VALUES ('11','ADAJAN','34567890','PNEUMONIA','OM')
INSERT INTO T1_patient VALUES ('12','ADAJAN','234567890','SURGERY','TOM')
INSERT INTO T1_patient VALUES ('13','ADAJAN','1223567890','ASTHMA','BIPUL')
INSERT INTO T1_patient VALUES ('14','ADAJAN','99956789','FRACTURE','SORAB')
INSERT INTO T1_patient VALUES('15','ADAJAN','9656567890','TYPHOID','JAYNIT')

• FROM DIFF. TABLE:-

use iiit

INSERT INTO T1_patient(patient_id,p_name,p_address,p_phone,disease) (SELECT patient_id,p_name,p_address,p_phone,disease from patient_temp)



Q3)Show Violation of Primary Key, Unique Not Null and default key constraints through Insertion?

ANS)

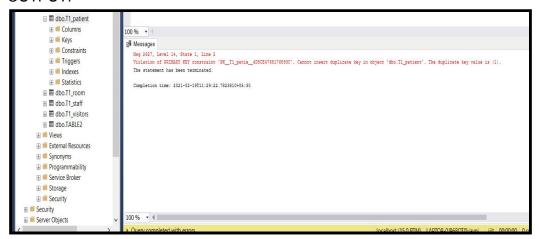
QUERY:-

PRIMARY KEY:-

use iiit

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('1','SURAT','1234567890','102','DENGUE','AMIT')

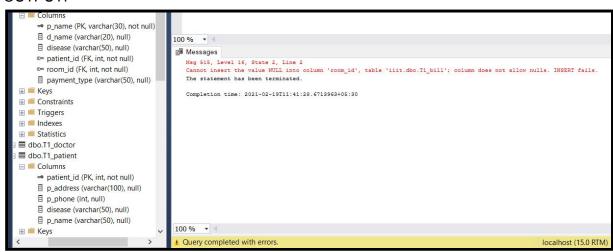
OUTPUT:-



UNIQUE NOT NULL:-

use iiit

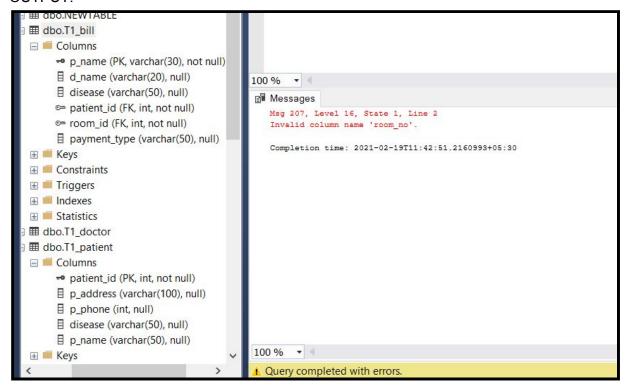
INSERT INTO T1_bill(patient_id,d_name,room_id,payment_type,disease,p_name) VALUES('1','rajesh',null,'gpay','TYPHOID','VINOD')



• DEFAULT KEY:-

use iiit

INSERT INTO T1_patient(patient_id,p_address,p_phone,room_no,disease,p_name) VALUES('1','ADAJAN','1234567890','ADMIN','TYPHOID','VINOD')



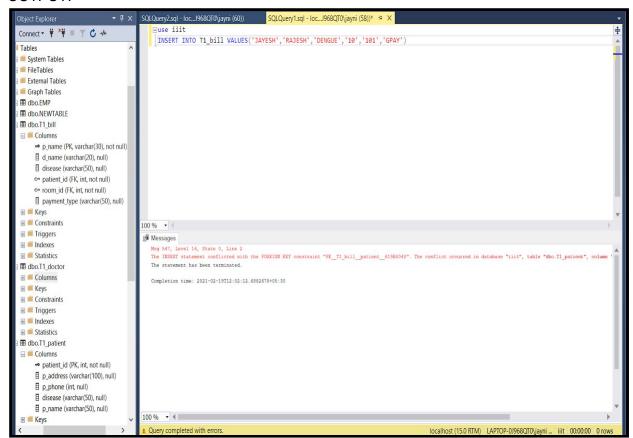
Q4)Insert tuples into the table and see how foreign key constraint works if you try to insert into dependent table first?

ANS)

QUERY:-

use iiit

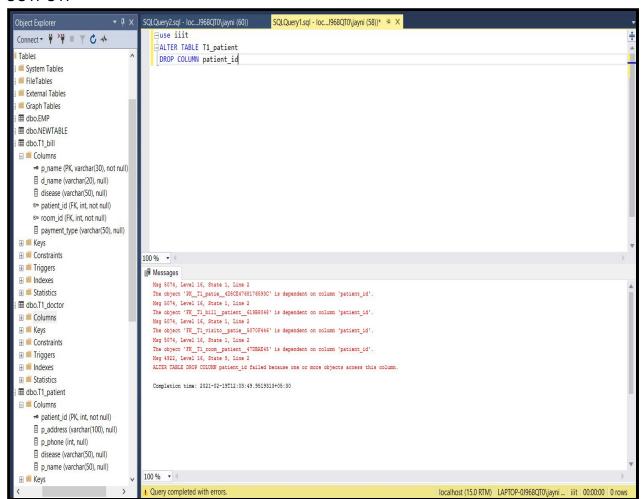
INSERT INTO T1_bill VALUES('JAYESH','RAJESH','DENGUE','10','101','GPAY')



Q5)Show Violation of Foreign Key Constraint when you try to delete from a base table. If you get an error explain why deletion gives an error? ANS)

QUERY:-

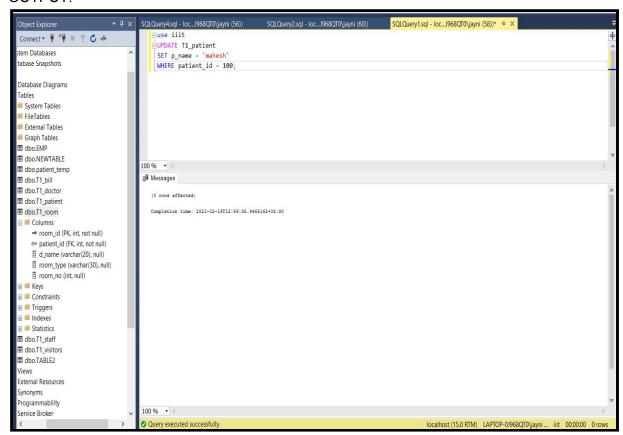
use iiit
ALTER TABLE T1_patient
DROP COLUMN patient_id



Q6)Try to update a non-existing entity data and check for error? ANS)

QUERY:-

UPDATE T1_patient SET p_name = 'mahesh' WHERE patient_id = 100;



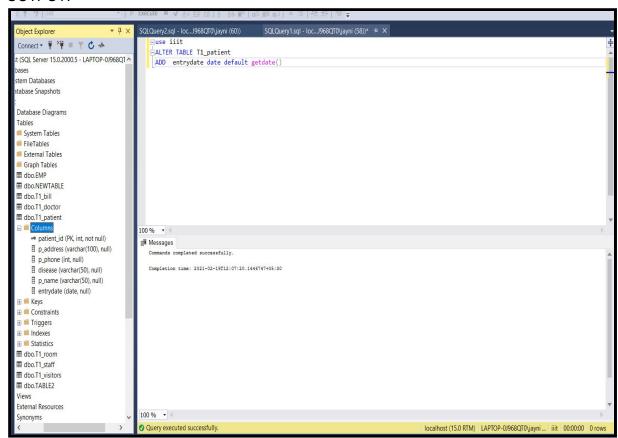
Q7)Add a column which has default value? ANS)

QUERY:-

use iiit

ALTER TABLE T1_patient

ADD entrydate date default getdate()



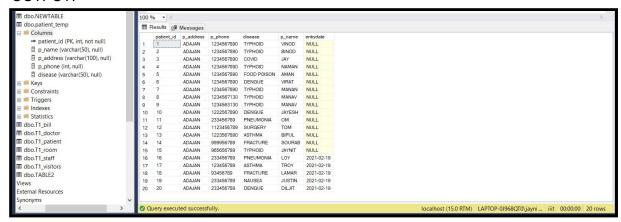
Q8) 5 Simple Select queries to retrieve data from your database? ANS)

QUERY:-

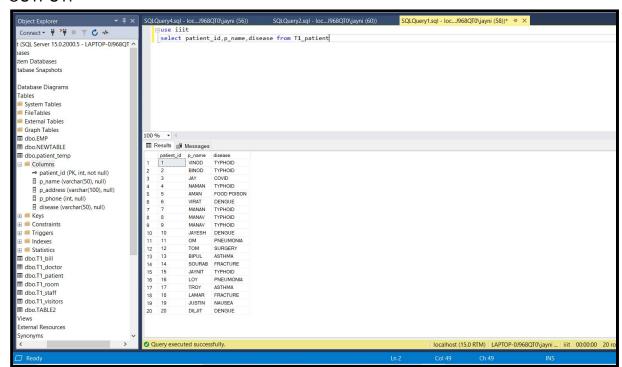
1.) use iiit

select * from T1_patient

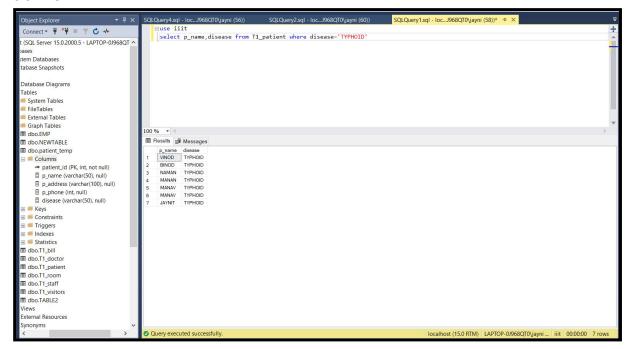
OUTPUT:-



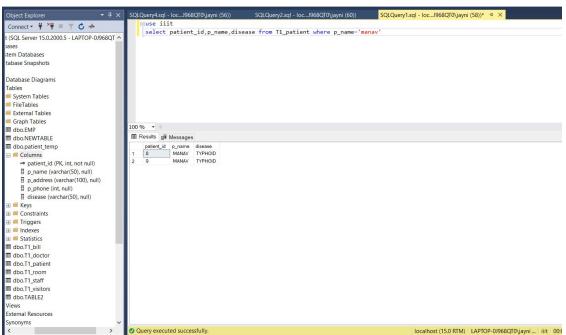
2.) select patient_id,p_name,disease from T1_patient



3.) use iiit select p_name,disease from T1_patient where disease='TYPHOID' OUTPUT:-



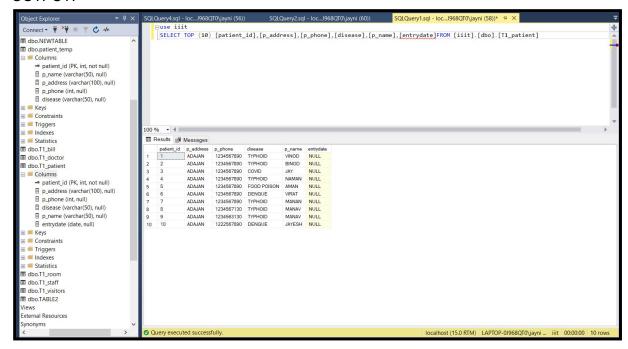
4.) use iiit select patient_id,p_name,disease from T1_patient where p_name='manav' OUTPUT:-



5.) use iiit

SELECT TOP (10) [patient_id] ,[p_address] ,[p_phone], [disease], [p_name],

[entrydate] FROM [iiit].[dbo].[T1_patient]



Q9)Show how Foreign key constraint effects Updating a dependent table when value is not existing and in Base table where the value is referred and you want to update it?

ANS)

QUERY:-

use iiit
UPDATE T1_room
SET patient_id = '100'
WHERE room_id = 1;

