DBMS ASSIGNMENT 4

NAME:- JAYNIT PATEL ROLL NO:-19BCS120

Q1)Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense, it should cover most part of your database tables?

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ANS)
QUERY:-
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use iiit

select * from T1 patient

where patient_id in(select patient_id from T1_room where room_type='SPECIAL')

select * from T1_patient

where patient_id in(select patient_id from T1_room where room_type='GENERAL')

select * from T1_patient

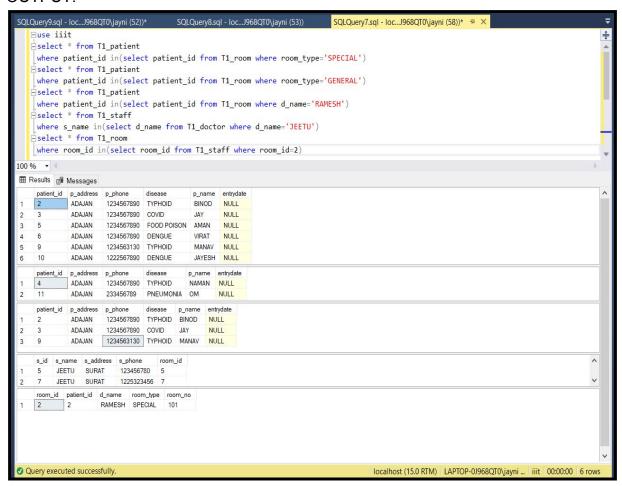
where patient_id in(select patient_id from T1_room where d_name='RAMESH')

select * from T1_staff

where s_name in(select d_name from T1_doctor where d_name='JEETU')

select * from T1_room

where room_id in(select room_id from T1_staff where room_id=2)

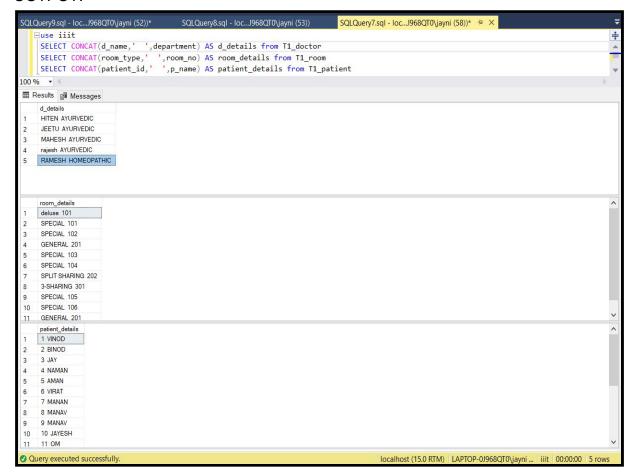


Q2)Illustrate how we can use Concat and As operators in SQL (minimum 3 queries)? ANS)

QUERY:-

use iiit

SELECT CONCAT(d_name,' ',department) AS d_details from T1_doctor SELECT CONCAT(room_type,' ',room_no) AS room_details from T1_room SELECT CONCAT(patient_id,' ',p_name) AS patient_details from T1_patient



Q3)Illustrate all the Comparison operator (2 queries for each operator)? ANS)

QUERY:-

use iiit

SELECT * FROM T1 patient WHERE patient id<=5

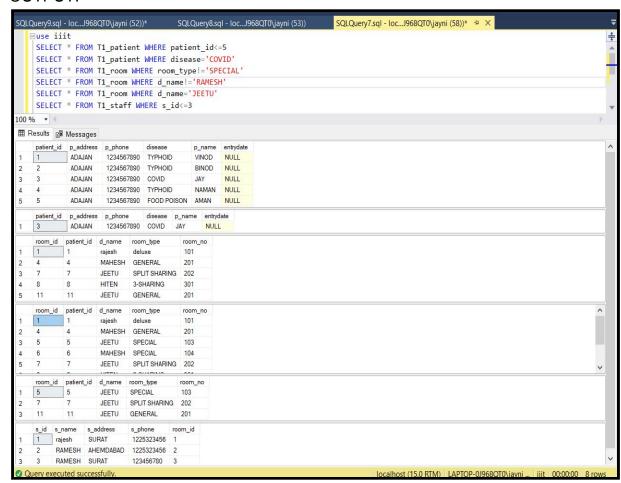
SELECT * FROM T1 patient WHERE disease='COVID'

SELECT * FROM T1 room WHERE room type!='SPECIAL'

SELECT * FROM T1 room WHERE d name!='RAMESH'

SELECT * FROM T1 room WHERE d name='JEETU'

SELECT * FROM T1_staff WHERE s_id<=3



Q4)Illustrate Logical operators except ANY, ALL and Like (2 queries for each operator)?

ANS)

QUERY:-

use iiit

SELECT * FROM T1 patient WHERE disease IN('COVID','DENGUE');

SELECT * FROM T1 patient WHERE patient id IN(2,5);

SELECT * FROM T1 patient WHERE disease NOT IN('TYPHOID', 'DENGUE');

SELECT * FROM T1 room WHERE d name NOT IN('RAMESH','MAHESH');

SELECT * FROM T1_patient WHERE patient_id between 2 and 5;

SELECT * FROM T1 staff WHERE s id between 1 and 4;

SELECT * FROM T1_doctor WHERE department='HOMEOPATHIC' OR department='AYURVEDIC';

SELECT * FROM T1_patient WHERE p_name='VINOD' OR p_name='BINOD';

