

Akash Singh

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DBMS lab assignment

1.)

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
use Hospital
SELECT * FROM dbo.T1_ROOM
WHERE doctor_id IN( SELECT doctor_id FROM dbo.T1_Doctor WHERE doctor_specialization = 'ENT');

SELECT * FROM dbo.T1_Doctor
WHERE doctor_id IN ( SELECT doctor_id FROM dbo.T1_Patient WHERE room_id IN( SELECT room_id FROM dbo.T1_Room where room_type = 'ac'));

SELECT * FROM dbo.T1_Patient
WHERE doctor_id IN( SELECT doctor_id FROM dbo.T1_Doctor WHERE doctor_phone IN( SELECT doctor_phone FROM dbo.T1_Doctor where doctor_phone = 0123456789));
```

The Results pane displays the following data:

room_id	room_no	room_type	patient_id	doctor_id	entrydate
3	103	ac	3	3	NULL
5	105	ac single bed	5	1	NULL
8	108	ac	3	3	NULL
10	110	ac single bed	5	1	NULL
13	113	ac	3	3	NULL
15	115	ac single bed	5	1	NULL
18	116	ac	3	3	NULL
20	118	ac single bed	5	1	NULL

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	ARJUN	123456789	UP	ENT
4	Aykan	124576989	phoenixgarh	Liver

patient_id	name	phone	address	disease	doctor_id	room_id
3	Gourab	121765529	MH	mal nutrition	1	3

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
2	Ram	122135489	lamdapur	MBBS
3	Aykan	121364529	cheppapur	ENT
5	Akash	12465231	UP	Ortho

patient_id	name	phone	address	disease	doctor_id	room_id
1	Mohan	127524789	UP	Nose Surgery	3	1

2.)

SQLQuery6.sql - LA_9\Akash Singh (72) | SQLQuery5.sql - LA_9\Akash Singh (52) | SQLQuery4.sql - LA_9\Akash Singh (57) | SQLQuery3.sql - LA_9\Akash Singh (56)

use Hospital
SELECT CONCAT(doctor_name, ' ', doctor_address) AS Full_Name from T1_Doctor
SELECT CONCAT(room_no, ' ', room_type) AS Room from T1_Room
SELECT CONCAT(name, '(', disease, ')') AS Name_and_Disease from T1_Patient

Results Messages

	Full_Name
1	ARJUN UP
2	Ram lamdapur
3	Ayaan cheppurur
4	Ayaan phoenagath
5	Akash UP

	Room
1	101" general
2	102" general
3	103" ac
4	104" ac
5	105" ac single bed
6	106" general
7	107" general
8	108" ac

	Name_and_Disease
1	Apama(Liver Failure)
2	Gourab(mel nutrition)
3	Jaynit(obesity)
4	Mohan(Nose Surge...
5	Sanchit(bow leg)

3.)

SQLQuery7.sql - LAPTOP-KTS4GF79.Hospital (LAPTOP-KTS4GF79\Akash Singh (60)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

Connect Hospital Execute

Object Explorer

- Connect
- LAPTOP-KTS4GF79 (SQL Server 15.0.2000)
- Databases
 - System Databases
 - Database Snapshots
 - Hospital
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XEvent Profiler

SQLQuery7.sql - LA_9\Akash Singh (60))

```
hinar: SELECT * FROM dbo.T1_Doctor where doctor_id <= 2;  
SELECT * FROM dbo.T1_Doctor where doctor_id <= 5;
```

100 %

Results Messages

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	ARJUN	123456789	UP	ENT
2	Ram	122135489	lamdapur	MBBS

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	ARJUN	123456789	UP	ENT
2	Ram	122135489	lamdapur	MBBS
3	Ajyan	121394529	chesspur	ENT
4	Ajyan	124576899	phoenixgash	Liver
5	Akash	12465231	UP	Ortho

room_id	room_no	room_type	patient_id	doctor_id	entrydate
1	101	general	1	5	NULL
2	102	general	2	4	NULL
3	103	ac	3	3	NULL
4	104	ac	4	2	NULL
5	105	ac single	5	1	NULL
6	106	general	1	5	NULL
7	107	general	2	4	NULL
8	108	ac	3	3	NULL

room_id	room_no	room_type	patient_id	doctor_id	entrydate
1	101	general	1	5	NULL
2	102	general	2	4	NULL
3	103	ac	3	3	NULL
4	104	ac	4	2	NULL
5	105	ac single	5	1	NULL
6	106	general	1	5	NULL
7	107	general	2	4	NULL
8	108	ac	3	3	NULL

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization	
1	5	Akash	12465231	UP	Ortho

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization	
1	5	Akash	12465231	UP	Ortho

doctor_id	doctor_name	doctor_phone	doctor_address
1	5	Akash	12465231

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Query executed successfully.

LAPTOP-KTS4GF79 (15.0 RTM) LAPTOP-KTS4GF79\Akash ... Hospital 00:00:00 87 rows

Ready Ln 1 Col 1 Ch 1 INS

4.)

Microsoft SQL Server Enterprise Edition

File Edit View Query Project Tools Window Help

Connect Hospital Execute

Object Explorer

- Databases
 - System Databases
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SQLQuery8.sql - LA...9\Akash Singh (75)*

```
SELECT * FROM dbo.T1_Doctor WHERE doctor_name IN('Ram', 'Ayaan');
SELECT * FROM dbo.T1_Doctor WHERE doctor_id IN(2,3,1);
```

Results

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	2	Ram	122135489	MBBS
2	3	Ayaan	121364529	cheppur
3	4	Ayaan	124576989	phoenigah

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP
2	2	Ram	122135489	MBBS
3	3	Ayaan	121364529	cheppur

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	3	Ayaan	121364529	cheppur
2	4	Ayaan	124576989	phoenigah
3	5	Akash	12465231	UP

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP
2	5	Akash	12465231	UP

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP
2	2	Ram	122135489	MBBS
3	3	Ayaan	121364529	cheppur
4	4	Ayaan	124576989	phoenigah
5	5	Akash	12465231	UP

patient_id	name	phone	address	disease	doctor_id	room_id
1	1	Mohan	127524789	UP	Nose Surgery	3
2	2	Sanchit	122424159	Bihar	bow leg	2
3	3	Gourab	121765529	MH	mal nutrition	1
4	4	Apama	454222589	Karnat...	Liver Failure	4
5	5	Jaynit	1257531	UP	obesity	5

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP

room_id	room_no	room_type	patient_id	doctor_id	entrydate
1	1	101	general	1	5

Query executed successfully.

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LAPTOP-KT54GF79 (15.0 RTM) LAPTOP-KT54GF79\Akash ... Hospital 00:00:00 23 rows

7. Ready Ln 11 Col 26 Ch 26 INS