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19bcs118

DBMS lab assignment

Question-1.)(.....)

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the 'Databases' folder is expanded, showing the 'Hospital' database. The 'Tables' folder is also expanded, showing tables like 'T1_Doctor', 'T1_Patient', and 'T1_Room'. The main window displays a SQL query and its results.

```
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 are displayed in three tables:

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	Ayaan	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	Ayaan	121364529	cheppupur	ENT
5	Akash	12465231	UP	Ortho

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

Question-2.)(.....)

Connect * [Icons] [SQL Server 15.0.2000]

LAPTOP-KT54GF79 (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)
 - XE Event Profiler

```

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
  
```

100 %

Results Messages

	Full_Name
1	ARJUN UP
2	Ram lamdapur
3	Ayaan cheppapur
4	Ayaan phoenigarth
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(mal nutrition)
3	Jaynit(obesity)
4	Mohan(Nose Surge...
5	Sanchit(bow leg)

Question-3.)(.....)

Connect LAPTOP-KT54GF79 (SQL Server 15.0.2000.25)

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	Ayaan	121364529	cheppupur	ENT
4	Ayaan	124576809	phoenixgarh	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

doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	5	Akash	12465231	UP

doctor_id	doctor_name	doctor_phone	doctor_address
1	5	Akash	12465231

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Question-4.)(.....)

Connect

LAPTOP-KT54GF79 (SQL Server 15.0.2000)

Databases

System Databases

Database Snapshots

Hospital

Database Diagrams

Tables

Views

External Resources

Synonyms

Programmability

Service Broker

Storage

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Always On High Availability

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Integration Services Catalogs

SQL Server Agent (Agent XPs disabled)

XEvent Profiler

SELECT * FROM dbo.T1_Doctor WHERE doctor_name IN('Ram', 'Ayaan');

SELECT * FROM dbo.T1_Doctor WHERE doctor_id IN(2,3,1);

Results

Messages

	doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	2	Ram	122135489	lamdapur	MBBS
2	3	Ayaan	121364529	cheppupur	ENT
3	4	Ayaan	124576989	phoenixgarh	Liver

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

	doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	3	Ayaan	121364529	cheppupur	ENT
2	4	Ayaan	124576989	phoenixgarh	Liver
3	5	Akash	12465231	UP	Ortho

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

	doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP	ENT
2	2	Ram	122135489	lamdapur	MBBS
3	3	Ayaan	121364529	cheppupur	ENT
4	4	Ayaan	124576989	phoenixgarh	Liver
5	5	Akash	12465231	UP	Ortho

	patient_id	name	phone	address	disease	doctor_id	room_id
1	1	Mohan	127524789	UP	Nose Surgery	3	1
2	2	Sanchit	122424159	Bihar	bow leg	2	2
3	3	Gourab	121765529	MH	mal nutrition	1	3
4	4	Apama	454222589	Kamat...	Liver Failure	4	4
5	5	Jaynit	1257531	UP	obesity	5	7

	doctor_id	doctor_name	doctor_phone	doctor_address	doctor_specialization
1	1	ARJUN	123456789	UP	ENT

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

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