

Introduction to Database

Group Name: Up to Data

Project Name: Diagnostic Center Management System

Course Instructor: Kawser Irom Rushee

Section: C

Group Members Details:

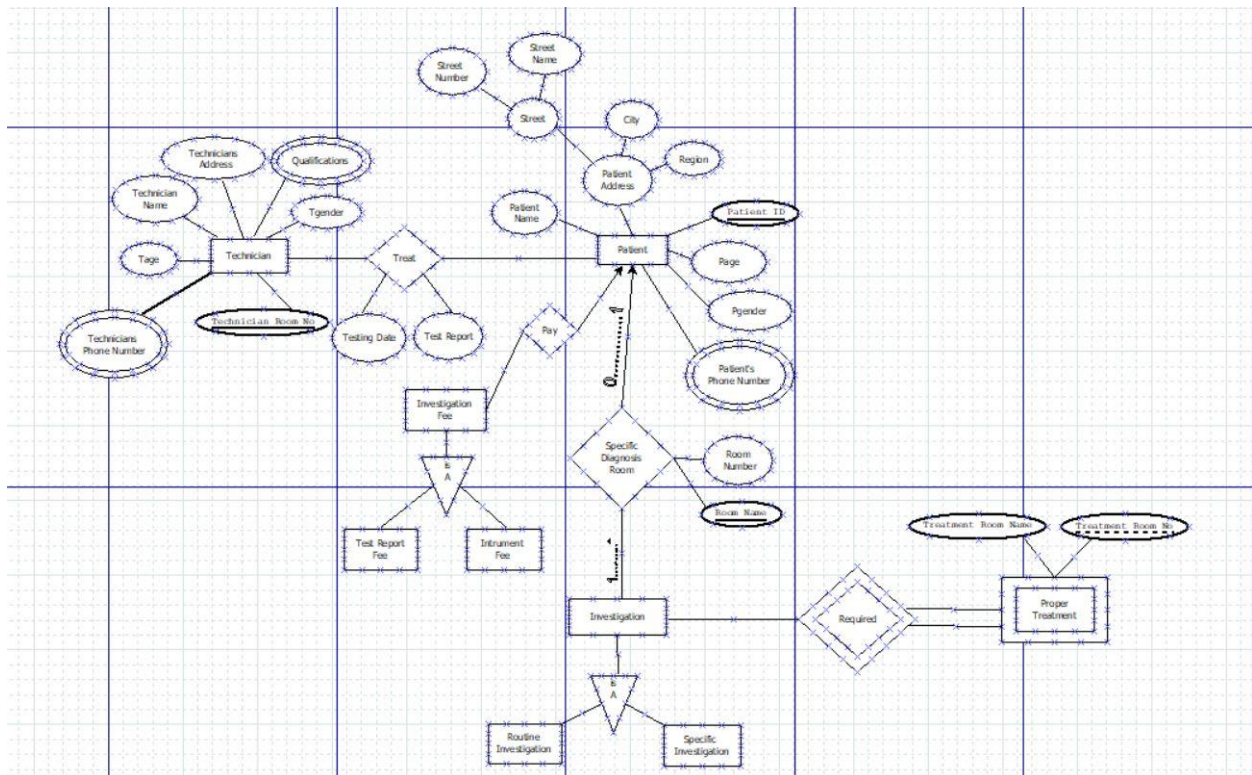
ID	Name
20-42054-1	Papri Saha
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Case Study

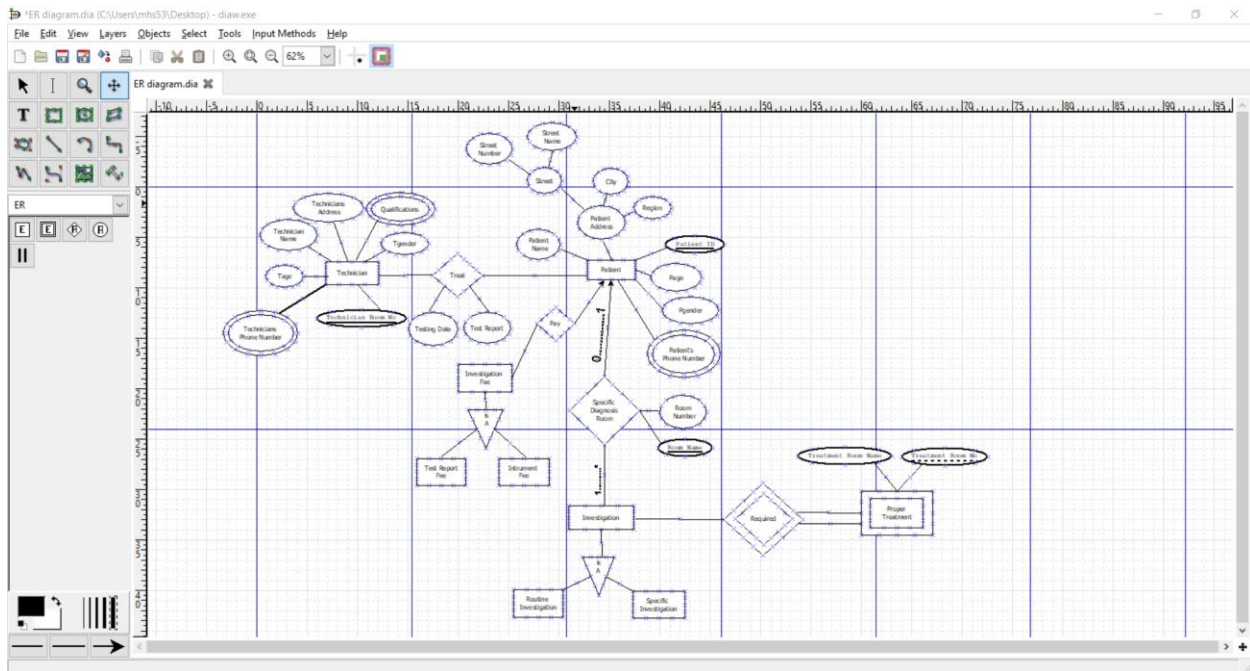
In a diagnostic center management system, a patient is treated by many technician. One technician can treat many patient. Here, a patient is identified by a patient id. Patient name, Patient's address, Pgender, patient's phone number, Page are also stored in computer. There may be multiple phone number of a patient. A patient address is composed of street, city and region. Street is composed of street- number and street- name. A technician is also identified by technician's room no. The computer also stores technician name, technician's address, Tgender, technician's phone- number, Tage and qualification. There may be multiple qualification and phone number of a technician. While technician treat patients, the Ptest report and testing date is given to patient. A patient may also pay many investigation fee. A investigation fee may be paid by exactly one patient. Test report fee and instrument fee can be generalized as investigation fee. A patient goes to specific diagnosis room for at least one investigation. One investigation is performed into the specific diagnosis room for at most one patient. Specific Diagnosis room is identified by room name. At the time of going to specific diagnosis room, patient check room number. Investigation can be specialized into routine investigation and specific investigation. Investigation is required for proper treatment. The existence of proper treatment is totally dependent on investigation. Here, proper treatment is identified by a treatment room no. Hospital's Treatment room name is also stored in diagnosis room's computer. Now draw an ER diagram according to the mentioned scenario.

ER Diagram

Screenshot Jpg Format:



Screenshot From Dia Software :



Normalization

Treat:

UNF:1st: technician name, technician address, qualification, Tgender, technician's phone number, Tage, technician's room no, patient name, street- number, street- name, city, region, Page, Pgender, patient's phone number, patient id, Ptesting date, test report

1NF:1st: technician's room no, technician's phone number, qualification, patient id, patient's phone number, technician name, technician address, Tgender, Tage, patient name, street- number, street- name, city, region, Page, Pgender, Ptesting date, test report

2NF:1st: technician's room no, technician's phone number, qualification, technician name, Tgender, Tage

2nd: technician's room no, technician's phone number, technician address

3rd: patient id, patient's phone number, patient name, street- number, street- name, city, region, Page, Pgender

4th: patient id, test report, Ptesting date

3NF: 1st: technician's room no, technician's phone number, qualification , technician name, Tgender, Tage

2nd: technician's room no, technician's phone number , technician address

3rd: patient id, patient's phone number , patient name, city, Page, Pgender

4th: City, street- number, street- name, region

5th: patient id, test report, Ptesting date

Pay:

UNF: 1st: patient id, patient's phone number , patient name, street- number, street- name, city, region, Page, Pgender, test report fee, instrument fee

1NF:1st: patient id, patient's phone number , patient name, street- number, street- name, city, region, Page, Pgender, test report fee, instrument fee

2NF:1st: patient id, patient's phone number , patient name, street- number, street- name, city, region, Page, Pgender, test report fee, instrument fee

3NF:1st: patient id, patient's phone number , patient name, city, Page, Pgender, test report fee

2nd: City, street- number, street- name, region

3rd: test report fee, instrument fee

Specific diagnosis room:

UNF:1st: patient id, patient's phone number , patient name, street- number, street- name, city, region, Page, Pgender, routine investigation, specific investigation, room name, room number

1NF:1st: patient id, patient's phone number , room name, patient name, street- number, street- name, city, region, Page, Pgender, routine investigation, specific investigation, room number

2NF:1st: patient id, patient's phone number , patient name, street- number, street- name, city, region, Page, Pgender

2nd: room name, routine investigation, specific investigation, room number

3NF:1st: patient id, patient's phone number , patient name, city, Page, Pgender,

2nd: City, street- number, street- name, region

3rd: room name, routine investigation, specific investigation, room number

Required:

UNF:1st: routine investigation, specific investigation, treatment room name, treatment room no

1NF:1st: treatment room no, routine investigation, specific investigation, treatment room name

2NF:2nd:treatment room no, routine investigation, specific investigation, treatment room name

3NF:1st: treatment room no, treatment room name, routine investigation, specific investigation

Final Table:

1st: technician's room no, technician's phone number, qualification , technician name, Tgender,
Tage

2nd: technician's room no, technician's phone number, technician address

3rd: patient id, patient phone number , patient name, city, Page, Pgender

4th: City , street- number, street- name, region

5th: patient id, test report, Ptesting date

6th: patient id, patient's phone number , patient name, city, Page, Pgender, test report fee

7th: test report fee, instrument fee

8th: room name, routine investigation, specific investigation, room number

9th: treatment room no, treatment room name, routine investigation, specific investigation

Table Creation

1. Technician

```
CREATE TABLE Technician_Info1 (  
    Technician_Room_No number(20),  
    Technician_Name varchar2(50),  
    Technician_Phone_No number(14),  
    Qualification varchar2(40),  
    TAge number(2),  
    Tgender varchar2(10),  
    primary key(Technician_Room_No,Technician_Phone_No,Qualification));
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object TECHNICIAN_INFO1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TECHNICIAN_INFO1	TECHNICIAN_ROOM_NO	Number	-	20	0	1	-	-	-
	TECHNICIAN_NAME	Varchar2	50	-	-	-	✓	-	-
	TECHNICIAN_PHONE_NO	Number	-	14	0	2	-	-	-
	QUALIFICATION	Varchar2	40	-	-	3	-	-	-
	TAGE	Number	-	2	0	-	✓	-	-
	TGENDER	Varchar2	10	-	-	-	✓	-	-

1 - 6

2. Technician Info

```
CREATE TABLE Technician_Info2(  
    Technician_Room_No number(20),  
    Technician_Phone_No number(14),  
    Technician_Address varchar2(10),  
    primary key(Technician_Room_No,Technician_Phone_No)  
);
```

Table Screenshot:

Results	Explain	Describe	Saved SQL	History
-------------------------	-------------------------	--------------------------	---------------------------	-------------------------

Object Type **TABLE** Object **TECHNICIAN_INFO2**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TECHNICIAN_INFO2	TECHNICIAN_ROOM_NO	Number	-	20	0	1	-	-	-
	TECHNICIAN_PHONE_NO	Number	-	14	0	2	-	-	-
	TECHNICIAN_ADDRESS	Varchar2	10	-	-	-	-	✓	-

1 - 3

3.Patient

```
CREATE TABLE Patient (
```

Patient_id number(20),

Patient_Name varchar2(50),

Patient_Phone_No number(14),

City varchar2(40),

Page number(2),

Pgender varchar2(10),

```
primary key(Patient_id,Patient_Phone_No));
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object PATIENT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT	PATIENT_ID	Number	-	20	0	1	-	-	-
	PATIENT_NAME	Varchar2	50	-	-	-	✓	-	-
	PATIENT_PHONE_NO	Number	-	14	0	2	-	-	-
	CITY	Varchar2	40	-	-	-	✓	-	-
	PAGE	Number	-	2	0	-	✓	-	-
	PGENDER	Varchar2	10	-	-	-	✓	-	-
1 - 6									

4. City

```
CREATE TABLE City (  
City varchar2(50) primary key,  
Street_Number number(14),  
Street_Name varchar2(40),  
Region varchar2(10)  
);
```

Table Screenshot:

Results	Explain	Describe	Saved SQL	History					
Object Type	TABLE	Object	CITY						
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CITY	CITY	Varchar2	50	-	-	1	-	-	-
	STREET_NUMBER	Number	-	14	0	-	✓	-	-
	STREET_NAME	Varchar2	40	-	-	-	✓	-	-
	REGION	Varchar2	10	-	-	-	✓	-	-
1 - 4									

5.Patient Info1

```
CREATE TABLE Patient_Info1(
Patient_id number(20),
Test_Report varchar2(100),
Ptesting_date date not null,
primary key(Test_Report)
);
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object PATIENT_INFO1

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT_INFO1	PATIENT_ID	Number	-	20	0	-	✓	-	-
	TEST_REPORT	Varchar2	100	-	-	1	-	-	-
	PTESTING_DATE	Varchar2	56	-	-	-	✓	-	-
									1 - 3

6.Patient Info2

```
CREATE TABLE Patient_Info2(  
  
Patient_id number(20),  
  
Patient_Name varchar2(50),  
  
Patient_Phone_No number(14),  
  
City varchar2(40),  
  
Page number(2),  
  
Pgender varchar2(10),  
  
Test_Report_Fee number(10),  
  
primary key(Patient_id,Patient_Phone_No))
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object PATIENT_INFO2

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PATIENT_INFO2	PATIENT_ID	Number	-	20	0	1	-	-	-
	PATIENT_NAME	Varchar2	50	-	-	-	✓	-	-
	PATIENT_PHONE_NO	Number	-	14	0	2	-	-	-
	CITY	Varchar2	40	-	-	-	✓	-	-
	PAGE	Number	-	2	0	-	✓	-	-
	PGENDER	Varchar2	10	-	-	-	✓	-	-
	TEST_REPORT_FEE	Number	-	10	0	-	✓	-	-
1 - 7									

7.Test Report

```
CREATE TABLE Test_Report (  
  
Test_Report_Fee number(10) primary key,  
  
Instrument_Fee number(10)  
  
);
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object TEST_REPORT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TEST_REPORT	TEST_REPORT_FEE	Number	-	10	0	1	-	-	-
	INSTRUMENT_FEE	Number	-	10	0	-	✓	-	-
1 - 2									

8. Room Name

```
CREATE TABLE Room_Name (  
Room_Name varchar2(10) primary key,  
Routine_Investigation varchar2(50),  
Specific_Investigation varchar2(50),  
Room_Number number(10)  
);
```

Table Screenshot:

Results Explain Describe Saved SQL History

Object Type TABLE Object ROOM_NAME

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ROOM_NAME	ROOM_NAME	Varchar2	10	-	-	1	-	-	-
	ROUTINE_INVESTIGATION	Varchar2	50	-	-	-	✓	-	-
	SPECIFIC_INVESTIGATION	Varchar2	50	-	-	-	✓	-	-
	ROOM_NUMBER	Number	-	10	0	-	✓	-	-
1 - 4									

9. Treatment Room

```
CREATE TABLE Treatment_Room (  
Treatment_room_no number(10) primary key,  
Treatment_room_Name varchar2(20),  
Routine_Investigation varchar2(50),  
Specific_Investigation varchar2(50)  
);
```

Table Screenshot

Results Explain Describe Saved SQL History

Object Type TABLE Object TREATMENT_ROOM

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TREATMENT_ROOM	TREATMENT_ROOM_NO	Number	-	10	0	1	-	-	-
	TREATMENT_ROOM_NAME	Varchar2	20	-	-	-	✓	-	-
	ROUTINE_INVESTIGATION	Varchar2	50	-	-	-	✓	-	-
	SPECIFIC_INVESTIGATION	Varchar2	50	-	-	-	✓	-	-
1 - 4									

Data Insertion

1. Technician

INSERT INTO Technician_Info1

VALUES (304,'Mr. koushik',+8801819471121,'B.Sc in medical laboratory technology',28,'Male');

INSERT INTO Technician_Info1

VALUES (103,'Mrs. Asma',+8801745216636,'B.Sc in Dialysis',26,'Female');

INSERT INTO Technician_Info1

VALUES (247,'Mr. Ahmed',+8801929298982,'M.Sc in Medicine',30,'Male');

Screenshot:

Results

Explain

Describe

Saved SQL

History

TECHNICIAN_ROOM_NO	TECHNICIAN_NAME	TECHNICIAN_PHONE_NO	QUALIFICATION	TAGE	TGENDER
304	Mr. koushik	8801819471121	B.Sc in medical laboratory technology	28	Male
103	Mrs. Asma	8801745216636	B.Sc in Dialysis	26	Female
247	Mr. Ahmed	8801929298982	M.Sc in Medicine	30	Male

3 rows returned in 0.02 seconds

[CSV Export](#)

2. Technician Info

INSERT INTO Technician_Info2

VALUES (304,+8801819471121,'Comilla');

INSERT INTO Technician_Info2

VALUES (103,+8801745216636,'Basundhara');

INSERT INTO Technician_Info2

VALUES (247,+8801929298982,'Uttara');

Screenshot:

Results Explain Describe Saved SQL History

TECHNICIAN_ROOM_NO	TECHNICIAN_PHONE_NO	TECHNICIAN_ADDRESS
304	8801819471121	Comilla
103	8801745216636	Basundhara
247	8801929298982	Uttara

3 rows returned in 0.00 seconds CSV Export

3.Patient

INSERT INTO Patient

VALUES (202110,'Soumik Roy',+8801780363359,'Bandar',35,'Male');

INSERT INTO Patient

VALUES (202117,'Mahdiya Arbina',+8801789437321,'Sirajgonj',29,'Female');

INSERT INTO Patient

VALUES (2021320,'Marmita',+8801780564632,'Golachipa',22,'Female');

Screenshot:

Results

Explain

Describe

Saved SQL

History

PATIENT_ID	PATIENT_NAME	PATIENT_PHONE	CITY	PAGE	PGENDER
202110	Soumik Roy	8801780363359	Bandar	35	Male
202117	Mahdiya Arbina	8801789437321	Sirajgonj	29	Female
2021320	Marmita	8801780564632	Golachipa	22	Female

3 rows returned in 0.00 seconds

[CSV Export](#)

4. City

INSERT INTO City

VALUES ('Bandar',175,'College Road','Bangladesh');

INSERT INTO City

VALUES ('Sirajgonj',112,'K.c Dhor road','Bangladesh');

INSERT INTO City

VALUES ('Golachipa',286,'Amlapara','Bangladesh');

Screenshot:

Results	Explain	Describe	Saved SQL	History
CITY	STREET_NUMBER	STREET_NAME	REGION	
Bandar	175	College Road	Bangladesh	
Sirajgonj	112	K.c Dhor road	Bangladesh	
Golachipa	286	Amlapara	Bangladesh	
3 rows returned in 0.00 seconds				CSV Export

5.Patient Info1

```
INSERT INTO Patient_Info1
```

```
VALUES (202110,'Surgical Pathology Report','20-JUN-21');
```

```
INSERT INTO Patient_Info1
```

```
VALUES (202117,'Psychological Report','03-APRIL-20');
```

```
INSERT INTO Patient_Info1
```

```
VALUES (2021320,'Heart Dignosis Report','04-DEC-21');
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
PATIENT_ID	TEST_REPORT	PTESTING_DATE		
202110	Surgical Pathology Report	20-JUN-21		
202117	Psychological Report	03-APR-20		
2021320	Heart Dignosis Report	04-DEC-21		
3 rows returned in 0.00 seconds				CSV Export

6.Patient Info2

```
INSERT INTO Patient_Info2
```

```
VALUES (202110,'Soumik Roy',+8801780363359,'Bandar',35,'Male',950);
```

```
INSERT INTO Patient_Info2
```

```
VALUES (202117,'Mahdiya Arbina',+8801789437321,'Sirajgonj',29,'Female',1000);
```

```
INSERT INTO Patient_Info2
```

```
VALUES (2021320,'Marmita',+8801780564632,'Golachipa',22,'Female',880);
```

Screenshot:

Results Explain Describe Saved SQL History

PATIENT_ID	PATIENT_NAME	PATIENT_PHONE_NO	CITY	PAGE	PGENDER	TEST_REPORT_FEE
202110	Soumik Roy	8801780363359	Bandar	35	Male	950
202117	Mahdiya Arbina	8801789437321	Sirajgonj	29	Female	1000
2021320	Marmita	8801780564632	Golachipa	22	Female	880

3 rows returned in 0.00 seconds

[CSV Export](#)

7.Test Report

```
INSERT INTO Test_Report
```

```
VALUES (950,1000);
```

```
INSERT INTO Test_Report
```

```
VALUES (1000,1200);
```

```
INSERT INTO Test_Report
```

```
VALUES (880,2900);
```

Screenshot:

Results Explain Describe Saved SQL History

TEST_REPORT_FEE	INSTRUMENT_FEE
950	1000
1000	1200
880	2900

3 rows returned in 0.00 seconds

[CSV Export](#)

8. Room Name

```
INSERT INTO Room_Name
```

```
VALUES ('Medi Lab','Saturday,Tuesday,Thursday','Sunday',101);
```

```
INSERT INTO Room_Name
```

```
VALUES ('Consultant','Friday,Tuesday,Thursday','Monday',307);
```

```
INSERT INTO Room_Name
```

```
VALUES ('ECG Lab','Saturday,Wednesday','Friday',10);
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
ROOM_NAME	ROUTINE_INVESTIGATION	SPECIFIC_INVESTIGATION	ROOM_NUMBER	
Medi Lab	Saturday,Tuesday,Thursday	Sunday	101	
Consultant	Friday,Tuesday,Thursday	Monday	307	
ECG Lab	Saturday,Wednesday	Friday	10	
3 rows returned in 0.00 seconds CSV Export				

9. Treatment Room

```
INSERT INTO Treatment_Room
```

```
VALUES (09,'Surgery Lab','Saturday','Wednesday');
```

```
INSERT INTO Treatment_Room
```

```
VALUES (101,'Discussion Room','Friday','Monday');
```

```
INSERT INTO Treatment_Room
```

```
VALUES (309,'Heart Dignosis Lab','Wednesday','Friday');
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
TREATMENT_ROOM_NO	TREATMENT_ROOM_NAME	ROUTINE_INVESTIGATION	SPECIFIC_INVESTIGATION	
101	ECG	Normal	Found Some Substance	
9	Surgery Lab	Saturday	Wednesday	
309	Heart Dignosis Lab	Wednesday	Friday	
3 rows returned in 0.00 seconds CSV Export				

Joining

Equijoin 01:

```
select
```

```
Technician_Info1.Technician_Room_No,Technician_Info1.Technician_Name,Technician_Info2.Technician_Phone_No,Technician_Info2.Technician_Address
```

```
from Technician_Info1,Technician_Info2
```

```
where Technician_Info1.Technician_Phone_no=Technician_Info2.Technician_Phone_No;
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
TECHNICIAN_ROOM_NO	TECHNICIAN_NAME	TECHNICIAN_PHONE_NO	TECHNICIAN_ADDRESS	
304	Mr. koushik	8801819471121	Comilla	
103	Mrs. Asma	8801745216636	Basundhara	
247	Mr. Ahmed	8801929298982	Uttara	

3 rows returned in 0.00 seconds [CSV Export](#)

Equijoin 02:

```
select Patient.Patient_Id, Patient.Patient_Name, Patient_Info1.Test_Report, Patient_Info1.Ptesting_Date
from Patient, Patient_Info1
where Patient.Patient_Id=Patient_Info1.Patient_Id;
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
PATIENT_ID	PATIENT_NAME	TEST_REPORT	PTESTING_DATE	
202110	Soumik Roy	Surgical Pathology Report	20-JUN-21	
2021320	Marmita	Heart Dignosis Report	04-DEC-21	
202117	Mahdiya Arbina	Psychological Report	03-APR-20	

3 rows returned in 0.01 seconds [CSV Export](#)

Outer Join:

```
select Technician_Info1.Technician_Room_No, Technician_Info2.Technician_Phone_No
from Technician_Info1
full outer join Technician_Info2 on
Technician_Info1.Technician_Phone_No=Technician_Info2.Technician_Phone_No
order by Technician_Info1.Technician_Room_No;
```


Screenshot:

Results	Explain	Describe	Saved SQL	History
TECHNICIAN_ROOM_NO		TECHNICIAN_PHONE_NO		
103		8801745216636		
247		8801929298982		
304		8801819471121		

3 rows returned in 0.01 seconds [CSV Export](#)

Self Join:

```
select Patient.Patient_Name as Patient_Name1, Patient_Info2.Patient_Name as
Patient_Name2, Patient.City
```

```
from Patient, Patient_Info2
```

where Patient.Patient_Id=Patient_Info2.Patient_Id

And Patient.City=Patient_Info2.City

Order by Patient.City;

Screenshot:

PATIENT_NAME1	PATIENT_NAME2	CITY
Soumik Roy	Soumik Roy	Bandar
Marmita	Marmita	Golachipa
Mahdiya Arbina	Mahdiya Arbina	Sirajgonj

Subquery

1. Find the patientname, city who lives in Bangladesh

```
SELECT patient_name, city
```

FROM patient

WHERE city IN (SELECT city FROM city where region='Bangladesh');

Screenshot:

Results	Explain	Describe	Saved SQL	History
PATIENT_NAME	CITY			
Soumik Roy	Bandar			
Mahdiya Arbina	Sirajgonj			
Marmita	Golachipa			

3 rows returned in 0.00 seconds [CSV Export](#)

2.Display the street_name along their street_number which is belong same region.

```
select street_name,street_number
from city
where street_number=(select max(street_number)
from city
where street_number<=(select max(street_number)
from city ))
```

Screenshot:

Results	Explain	Describe	Saved SQL	History
STREET_NAME	STREET_NUMBER			
College Road	175			

1 rows returned in 0.00 seconds [CSV Export](#)

3. Display the test_report_fee according highest fee of instrument

```
select test_report_fee,instrument_fee
from test_report
where test_report_fee=(select max(test_report_fee)
from test_report
where test_report_fee<=(select max(test_report_fee)
from test_report ))
```

Screenshot:

Results Explain Describe Saved SQL History

TEST_REPORT_FEE	INSTRUMENT_FEE
950	1000

1 rows returned in 0.00 seconds

[CSV Export](#)

4. Find the patient_name tested date in 2021.

```
SELECT patient_id,patient_name, pgender
FROM patient
WHERE patient_id IN (
    SELECT patient_id FROM patient_info1
    WHERE ptesting_date > to_date('1-1-2021', 'dd-mm-yy')
);
```

Screenshot:

Results Explain Describe Saved SQL History

PATIENT_ID	PATIENT_NAME	PGENDER
202110	Soumik Roy	Male
2021320	Marmita	Female

2 rows returned in 0.03 seconds

[CSV Export](#)

View

Complex View 01:

Create View Technician_Info

As Select

Technician_Info1.Technician_Room_No,Technician_Info1.Technician_Name,Technician_Info2.Technician_Phone_No,Technician_Info2.Technician_Address

from Technician_Info1,Technician_Info2

where Technician_Info1.Technician_Phone_no=Technician_Info2.Technician_Phone_No;

Screenshot:

Results	Explain	Describe	Saved SQL	History
TECHNICIAN_ROOM_NO	TECHNICIAN_NAME	TECHNICIAN_PHONE_NO	TECHNICIAN_ADDRESS	
304	Mr. koushik	8801819471121	Comilla	
103	Mrs. Asma	8801745216636	Basundhara	
247	Mr. Ahmed	8801929298982	Uttara	

3 rows returned in 0.00 seconds [CSV Export](#)

Complex View 02:

Create View Patient_info as select
Patient.Patient_Id,Patient.Patient_Name,Patient_Info1.Test_Report,Patient_Info1.Ptesting_Date
from Patient,Patient_Info1
where Patient.Patient_Id=Patient_Info1.Patient_Id;

Screenshot:

Results	Explain	Describe	Saved SQL	History
PATIENT_ID	PATIENT_NAME	TEST_REPORT	PTESTING_DATE	
202110	Soumik Roy	Surgical Pathology Report	20-JUN-21	
2021320	Marmita	Heart Dignosis Report	04-DEC-21	
202117	Mahdiya Arbina	Psychological Report	03-APR-20	

3 rows returned in 0.03 seconds [CSV Export](#)

Constraint Adding

alter table Patient add constraint pk31 foreign key(City) references City(City);

Screenshot:

