

## Experiment No.7,8,9 queries

```
mysql> drop view stud_view;  
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> show tables;
```

```
+-----+  
| Tables_in_sy4 |  
+-----+  
| dept          |  
| diseases      |  
| emp           |  
| patient_records |  
| sample        |  
| sample_2      |  
| student       |  
| student_info  |  
+-----+  
8 rows in set (0.00 sec)
```

```
mysql> select * from patient_records;
```

```
+-----+-----+-----+-----+  
| pat_id | pat_name | age  | disease |  
+-----+-----+-----+-----+  
| 109    | Radha    | 35   | Migraine |  
| 200    | Mahesh   | 38   | Cold     |  
| 205    | Aman     | 34   | fever    |  
| 306    | Rohit    | 41   | Cancer   |
```

309	Rohit	45	Cancer
501	Rahul	38	Headache

6 rows in set (0.04 sec)

```
mysql> create view v1 as select
pat_name,disease from patient_records;
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> show tables;
+-----+
| Tables_in_sy4 |
+-----+
| dept           |
| diseases       |
| emp            |
| patient_records|
| sample         |
| sample_2       |
| student        |
| student_info   |
| v1             |
+-----+
9 rows in set (0.00 sec)
```

```
mysql> select * from v1;
+-----+
```

pat_name	disease
Radha	Migraine
Mahesh	Cold
Aman	fever
Rohit	Cancer
Rohit	Cancer
Rahul	Headache

6 rows in set (0.01 sec)

```
mysql> update v1 set disease='Cough' where
pat_name='Radha';
```

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from v1;
```

pat_name	disease
Radha	Cough
Mahesh	Cold
Aman	fever
Rohit	Cancer
Rohit	Cancer
Rahul	Headache

6 rows in set (0.00 sec)

```
mysql> select * from patient_records;
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
205	Aman	34	fever
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache

```
6 rows in set (0.00 sec)
```

```
mysql> select * from patient_records;
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache

```
5 rows in set (0.00 sec)
```

```
mysql> create view v2 as select * from  
patient_records;
```

```
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> select * from v2;
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache

```
5 rows in set (0.00 sec)
```

```
mysql> insert into v2
```

```
values(702,'Akansh',19,'Fever');
```

```
Query OK, 1 row affected (0.04 sec)
```

```
mysql> select * from patient_records;
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache
702	Akansh	19	Fever

```
6 rows in set (0.00 sec)
```

```
mysql> insert into patient_records
values(805,'Akshay',19,'Asthma');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> select * from patient_records;
```

```
+-----+-----+-----+-----+
| pat_id | pat_name | age  | disease |
+-----+-----+-----+-----+
| 109    | Radha    | 35   | Cough   |
| 200    | Mahesh   | 38   | Cold    |
| 306    | Rohit    | 41   | Cancer  |
| 309    | Rohit    | 45   | Cancer  |
| 501    | Rahul    | 38   | Headache|
| 702    | Akansh   | 19   | Fever   |
| 805    | Akshay   | 19   | Asthma  |
+-----+-----+-----+-----+
7 rows in set (0.00 sec)
```

```
mysql> select * from v2;
```

```
+-----+-----+-----+-----+
| pat_id | pat_name | age  | disease |
+-----+-----+-----+-----+
| 109    | Radha    | 35   | Cough   |
| 200    | Mahesh   | 38   | Cold    |
| 306    | Rohit    | 41   | Cancer  |
| 309    | Rohit    | 45   | Cancer  |
| 501    | Rahul    | 38   | Headache|
| 702    | Akansh   | 19   | Fever   |
+-----+-----+-----+-----+
```

805	Akshay	19	Asthma
-----	--------	----	--------

7 rows in set (0.00 sec)

```
mysql> select * from tablea;
```

PK	Value
1	Tata
2	Intel
3	Taxi
6	Infosys
5	Amazon
4	microsoft
7	Dell
11	Dell
12	Dell

9 rows in set (0.00 sec)

```
mysql> select * from tableb;
```

PK	Value
1	Truck
2	Car
3	Ola
6	Frame

7	Laptop
8	Product
9	Pendrive
11	Juice

+-----+-----+

8 rows in set (0.00 sec)

```
mysql> select * from tablea inner join
tableb on tablea.pk=tableb.pk;
```

PK	Value	PK	Value
1	Tata	1	Truck
2	Intel	2	Car
3	Taxi	3	Ola
6	Infosys	6	Frame
7	Dell	7	Laptop
11	Dell	11	Juice

+-----+-----+-----+

6 rows in set (0.01 sec)

```
mysql> select * from tablea left outer join
tableb on tablea.pk=tableb.pk;
```

PK	Value	PK	Value
1	Tata	1	Truck
2	Intel	2	Car
3	Taxi	3	Ola



6	Infosys	6	Frame
5	Amazon	NULL	NULL
4	microsoft	NULL	NULL
7	Dell	7	Laptop
11	Dell	11	Juice
12	Dell	NULL	NULL

9 rows in set (0.04 sec)

```
mysql> select * from tablea right outer join
tableb on tablea.pk=tableb.pk;
```

PK	Value	PK	Value
1	Tata	1	Truck
2	Intel	2	Car
3	Taxi	3	Ola
6	Infosys	6	Frame
7	Dell	7	Laptop
NULL	NULL	8	Product
NULL	NULL	9	Pendrive
11	Dell	11	Juice

8 rows in set (0.00 sec)

```
mysql> select * from tablea left outer join
tableb on tablea.pk=tableb.pk
-> union
```

```
-> select * from tablea right outer join  
tableb on tablea.pk=tableb.pk;
```

PK	Value	PK	Value
1	Tata	1	Truck
2	Intel	2	Car
3	Taxi	3	Ola
6	Infosys	6	Frame
5	Amazon	NULL	NULL
4	microsoft	NULL	NULL
7	Dell	7	Laptop
11	Dell	11	Juice
12	Dell	NULL	NULL
NULL	NULL	8	Product
NULL	NULL	9	Pendrive

11 rows in set (0.00 sec)

```
mysql> select * from stud_details/
```

name	Dob
Ram	1993-11-18
Amit	1992-10-11

2 rows in set (0.08 sec)

```
mysql> select * from stud_info/  
Empty set (0.06 sec)
```

```
mysql> select * from patient_records;  
-> /
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache
702	Akansh	19	Fever
805	Akshay	19	Asthma

7 rows in set (0.00 sec)

```
mysql> create procedure display2()  
-> begin  
-> select pat_name,age from  
patient_records;  
-> end;  
-> /
```

Query OK, 0 rows affected (0.06 sec)

```
mysql>  
mysql> call display2();/
```

pat_name	age
Radha	35
Mahesh	38
Rohit	41
Rohit	45
Rahul	38
Akansh	19
Akshay	19

7 rows in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

```
mysql> select * from patient_records;
-> /
```

pat_id	pat_name	age	disease
109	Radha	35	Cough
200	Mahesh	38	Cold
306	Rohit	41	Cancer
309	Rohit	45	Cancer
501	Rahul	38	Headache
702	Akansh	19	Fever
805	Akshay	19	Asthma

7 rows in set (0.00 sec)

```
mysql> create procedure display3(id int(3))
-> begin
-> select * from patient_records where
pat_id=id;
-> end;
-> /
```

Query OK, 0 rows affected, 1 warning (0.04 sec)

```
mysql> call display3(306);/
```

pat_id	pat_name	age	disease
306	Rohit	41	Cancer

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)

```
mysql> call display3(306 and 501);/
Empty set (0.00 sec)
```

Query OK, 0 rows affected (0.00 sec)

```
mysql> call display3(501);/
```

pat_id	pat_name	age	disease
--------	----------	-----	---------

501	Rahul	38	Headache
-----	-------	----	----------

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.01 sec)

```
mysql> CREATE FUNCTION area_ofcircle(radius
DOUBLE)
-> RETURNS DOUBLE
-> DETERMINISTIC
-> BEGIN
->     DECLARE area DOUBLE;
->     SET area = PI() * POW(radius, 2);
->     RETURN area;
-> End;
-> /
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> select area_ofcircle(7);/
+-----+
| area_ofcircle(7) |
+-----+
| 153.93804002589985 |
+-----+
1 row in set (0.04 sec)
```

```
mysql> select round(area_ofcircle(7)) as
area; /
```

```
+-----+  
| area |  
+-----+  
|  154 |  
+-----+  
1 row in set (0.04 sec)
```

```
mysql>
```