

## 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>
```