Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 13

Server version: 5.7.21 MySQL Community Server (GPL)

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database db3;

Query OK, 1 row affected (0.32 sec)

mysql> use db3;

Database changed

mysql> show tables;

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

| Tables\_in\_db3 |

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

| patient |

| physician |

| v1 |

| v2 |

| visit |

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

5 rows in set (0.05 sec)

mysql> select \* from patient;

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

| pid | pname | street | pcity |

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

| 1 | shashank | CME | Pune |

| 2 | Prajwal | Somwar peth | Pune |

| 3 | Ankit | Wakdewadi | Pune |

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

3 rows in set (0.07 sec)

mysql> create table physician(reg\_no int(5),name char(15),tel\_no int(20),city char(15),primary key(reg\_no));

Query OK, 0 rows affected (0.13 sec)

mysql> insert into physician values(101,'Dr.Kapoor',987674923,'Pune');

Query OK, 1 row affected (0.00 sec)

mysql> insert into physician values(102,'Dr.Mehta',887674873,'Pune');

Query OK, 1 row affected (0.00 sec)

mysql> insert into physician values(103,'Dr.Kumar',787674567,'Mumbai');

Query OK, 1 row affected (0.00 sec)

mysql> insert into physician values(104,'Dr.Chopkar',987067546,'Mumbai');

Query OK, 1 row affected (0.00 sec)

mysql> select \* from physician;

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

| reg\_no | name | tel\_no | city |

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

| 101 | Dr.Kapoor | 987674923 | Pune |

| 102 | Dr.Mehta | 887674873 | Pune |

| 103 | Dr.Kumar | 787674567 | Mumbai |

| 104 | Dr.Chopkar | 987067546 | Mumbai |

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

4 rows in set (0.00 sec)

mysql> create table visit(reg\_no int(5),pid int(5),dovisit date,fee int(10),foreign key(reg\_no) references physician(reg\_no),foreign key(pid) references patient(pid));

Query OK, 0 rows affected (0.08 sec)

mysql> insert into visit values(101,1,'2018-04-04',500);

Query OK, 1 row affected (0.04 sec)

mysql> insert into visit values(102,2,'2018-08-01',600);

Query OK, 1 row affected (0.00 sec)

mysql> insert into visit values(102,3,'2018-05-10',600);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from visit;

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

| reg\_no | pid | dovisit | fee |

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

| 101 | 1 | 2018-04-04 | 500 |

| 102 | 2 | 2018-08-01 | 600 |

| 102 | 3 | 2018-05-10 | 600 |

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

3 rows in set (0.00 sec)

mysql> select pname,pcityy from patient where pid=(select pid from visit where dovisit='2018-08-01');

ERROR 1054 (42S22): Unknown column 'pcityy' in 'field list'

mysql> select pname,pcity from patient where pid=(select pid from visit where dovisit='2018-08-01');

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

| pname | pcity |

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

| Prajwal | Pune |

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

1 row in set (0.00 sec)

mysql> select dovisit,sum(fee) from visit group by dovisit;

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

| dovisit | sum(fee) |

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

| 2018-04-04 | 500 |

| 2018-05-10 | 600 |

| 2018-08-01 | 600 |

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

3 rows in set (0.10 sec)

mysql> select p.name,count(v.pid) from physician p,visit v where p.reg\_no=v.reg\_no group by p.name;

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

| name | count(v.pid) |

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

| Dr.Kapoor | 1 |

| Dr.Mehta | 2 |

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

2 rows in set (0.03 sec)

mysql> select p.reg\_no ,p.name,v.dovisit from physician p INNER JOIN visit v on p.reg\_no=v.reg\_no;

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

| reg\_no | name | dovisit |

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

| 101 | Dr.Kapoor | 2018-04-04 |

| 102 | Dr.Mehta | 2018-08-01 |

| 102 | Dr.Mehta | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.reg\_no ,p.name,v.dovisit from physician p LEFT OUTER JOIN visit v on p.reg\_no=v.reg\_no;

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

| reg\_no | name | dovisit |

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

| 101 | Dr.Kapoor | 2018-04-04 |

| 102 | Dr.Mehta | 2018-08-01 |

| 102 | Dr.Mehta | 2018-05-10 |

| 103 | Dr.Kumar | NULL |

| 104 | Dr.Chopkar | NULL |

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

5 rows in set (0.03 sec)

mysql> select p.reg\_no ,p.name,v.dovisit from physician p RIGHT OUTER JOIN visit v on p.reg\_no=v.reg\_no;

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

| reg\_no | name | dovisit |

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

| 101 | Dr.Kapoor | 2018-04-04 |

| 102 | Dr.Mehta | 2018-08-01 |

| 102 | Dr.Mehta | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.reg\_no ,p.name,v.dovisit from physician p RIGHT OUTER JOIN visit v on p.reg\_no=v.reg\_no UNION select p.reg\_no,p.name,v.dovisit from physician p LEFT OUTER JOIN visit v on p.reg\_no=v.reg\_no;

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

| reg\_no | name | dovisit |

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

| 101 | Dr.Kapoor | 2018-04-04 |

| 102 | Dr.Mehta | 2018-08-01 |

| 102 | Dr.Mehta | 2018-05-10 |

| 103 | Dr.Kumar | NULL |

| 104 | Dr.Chopkar | NULL |

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

5 rows in set (0.00 sec)

mysql> select p.pname,p.pcity,v.dovisit from patient p INNER JOIN visit v ON p.pid=v.pid;

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

| pname | pcity | dovisit |

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

| shashank | Pune | 2018-04-04 |

| Prajwal | Pune | 2018-08-01 |

| Ankit | Pune | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.pname,p.pcity,v.dovisit from patient p LEFT OUTER JOIN visit v ON p.pid=v.pid;

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

| pname | pcity | dovisit |

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

| shashank | Pune | 2018-04-04 |

| Prajwal | Pune | 2018-08-01 |

| Ankit | Pune | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.pname,p.pcity,v.dovisit from patient p RIGHT OUTER JOIN visit v ON p.pid=v.pid;

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

| pname | pcity | dovisit |

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

| shashank | Pune | 2018-04-04 |

| Prajwal | Pune | 2018-08-01 |

| Ankit | Pune | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.pname,p.pcity,v.dovisit from patient p RIGHT OUTER JOIN visit v ON p.pid=v.pid;

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

| pname | pcity | dovisit |

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

| shashank | Pune | 2018-04-04 |

| Prajwal | Pune | 2018-08-01 |

| Ankit | Pune | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> select p.pname,p.pcity,v.dovisit from patient p RIGHT OUTER JOIN visit v ON p.pid=v.pid UNION select p.pname,p.pcity,v.dovisit from patient p LEFT OUTER JOIN visit v ON p.pid=v.pid;

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

| pname | pcity | dovisit |

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

| shashank | Pune | 2018-04-04 |

| Prajwal | Pune | 2018-08-01 |

| Ankit | Pune | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> create view v1 as select dovisit,fee from visit;

Query OK, 0 rows affected (0.14 sec)

mysql> select \* from v1;

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

| dovisit | fee |

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

| 2018-04-04 | 500 |

| 2018-08-01 | 600 |

| 2018-05-10 | 600 |

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

3 rows in set (0.07 sec)

mysql> insert into v1 values('2018-09-09',800);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from v1;

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

| dovisit | fee |

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

| 2018-04-04 | 500 |

| 2018-08-01 | 600 |

| 2018-05-10 | 600 |

| 2018-09-09 | 800 |

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

4 rows in set (0.00 sec)

mysql> select \* from visit;

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

| reg\_no | pid | dovisit | fee |

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

| 101 | 1 | 2018-04-04 | 500 |

| 102 | 2 | 2018-08-01 | 600 |

| 102 | 3 | 2018-05-10 | 600 |

| NULL | NULL | 2018-09-09 | 800 |

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

4 rows in set (0.00 sec)

mysql> update v1 set fee=750 where dovisit='2018-05-10';

Query OK, 1 row affected (0.05 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from v1;

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

| dovisit | fee |

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

| 2018-04-04 | 500 |

| 2018-08-01 | 600 |

| 2018-05-10 | 750 |

| 2018-09-09 | 800 |

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

4 rows in set (0.00 sec)

mysql> create view v2 as select p.pname,v.reg\_no,v.dovisit from patient p,visit v where p.pid=v.pid;

Query OK, 0 rows affected (0.11 sec)

mysql> select \* from v2;

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

| pname | reg\_no | dovisit |

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

| shashank | 101 | 2018-04-04 |

| Prajwal | 102 | 2018-08-01 |

| Ankit | 102 | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> update v2 set reg\_no=103 where dovisit='2018-05-10';

Query OK, 1 row affected (0.04 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from v2;

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

| pname | reg\_no | dovisit |

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

| shashank | 101 | 2018-04-04 |

| Prajwal | 102 | 2018-08-01 |

| Ankit | 103 | 2018-05-10 |

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

3 rows in set (0.00 sec)

mysql> insert into v2 values('urja',104,'2018-10-10');

ERROR 1394 (HY000): Can not insert into join view 'db3.v2' without fields list

mysql> select p.name,count(v.pid) from physician p,visit v where p.reg\_no=v.reg\_no group by v.reg\_no;

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

| name | count(v.pid) |

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

| Dr.Kapoor | 1 |

| Dr.Mehta | 1 |

| Dr.Kumar | 1 |

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

3 rows in set (0.06 sec)

mysql>

mysql> select dovisit,sum(fee) from visit group by dovisit;

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

| dovisit | sum(fee) |

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

| 2018-04-04 | 500 |

| 2018-05-10 | 750 |

| 2018-08-01 | 600 |

| 2018-09-09 | 800 |

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

4 rows in set (0.00 sec)

mysql> select \* from visit;

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

| reg\_no | pid | dovisit | fee |

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

| 101 | 1 | 2018-04-04 | 500 |

| 102 | 2 | 2018-08-01 | 600 |

| 103 | 3 | 2018-05-10 | 750 |

| NULL | NULL | 2018-09-09 | 800 |

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

4 rows in set (0.00 sec)