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

Your MySQL connection id is 9

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 db1;

Query OK, 1 row affected (0.00 sec)

mysql> use db1;

Database changed

mysql> create table book(bid int(5), primary key(bid),title char(10),author char(10),cost int(5));

Query OK, 0 rows affected (0.12 sec)

mysql> create table stud(sid int(3),primary key(sid),name char(10),address char(10),DOB date,contactno int(11));

Query OK, 0 rows affected (0.07 sec)

mysql> create table trans(sid int(3),bid int(3),trans\_date date,fine int(3),foreign key(sid) references stud(sid),foreign key(bid) references book(bid));

Query OK, 0 rows affected (0.08 sec)

mysql> desc book;

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

| Field | Type | Null | Key | Default | Extra |

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

| bid | int(5) | NO | PRI | NULL | |

| title | char(10) | YES | | NULL | |

| author | char(10) | YES | | NULL | |

| cost | int(5) | YES | | NULL | |

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

4 rows in set (0.03 sec)

mysql> desc trans;

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

| Field | Type | Null | Key | Default | Extra |

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

| sid | int(3) | YES | MUL | NULL | |

| bid | int(3) | YES | MUL | NULL | |

| trans\_date | date | YES | | NULL | |

| fine | int(3) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> desc stud;

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

| Field | Type | Null | Key | Default | Extra |

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

| sid | int(3) | NO | PRI | NULL | |

| name | char(10) | YES | | NULL | |

| address | char(10) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| contactno | int(11) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> insert into book values(1,'let us c','Kanetkar',100);

Query OK, 1 row affected (0.00 sec)

mysql> insert into book values(2,'DBMS','Korth',200);

Query OK, 1 row affected (0.00 sec)

mysql> insert into book values(3,'CN','Tenenbaum',250);

Query OK, 1 row affected (0.00 sec)

mysql> insert into book values(4,'SEPM','Pressman',400);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from book;

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

| bid | title | author | cost |

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

| 1 | let us c | Kanetkar | 100 |

| 2 | DBMS | Korth | 200 |

| 3 | CN | Tenenbaum | 250 |

| 4 | SEPM | Pressman | 400 |

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

4 rows in set (0.00 sec)

mysql> insert into stud values(101,'ankit','bopodi','1998-08-13',987655269);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud values(102,'vishal','camp','1997-08-27',945655278);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud values(103,'prajwal','camp','1998-07-29',978655290);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud values(104,'urja','SB road','1999-04-03',943655495);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from stud;

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

| sid | name | address | DOB | contactno |

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

| 101 | ankit | bopodi | 1998-08-13 | 987655269 |

| 102 | vishal | camp | 1997-08-27 | 945655278 |

| 103 | prajwal | camp | 1998-07-29 | 978655290 |

| 104 | urja | SB road | 1999-04-03 | 943655495 |

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

4 rows in set (0.00 sec)

mysql> insert into trans values(104,1,'2018-07-14',NULL);

Query OK, 1 row affected (0.00 sec)

mysql> insert into trans values(103,4,'2018-07-02',50);

Query OK, 1 row affected (0.00 sec)

mysql> insert into trans values(101,3,'2018-07-01',10);

Query OK, 1 row affected (0.00 sec)

mysql> insert into trans values(102,2,'2018-06-30',05);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from trans;

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

| sid | bid | trans\_date | fine |

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

| 104 | 1 | 2018-07-14 | NULL |

| 103 | 4 | 2018-07-02 | 50 |

| 101 | 3 | 2018-07-01 | 10 |

| 102 | 2 | 2018-06-30 | 5 |

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

4 rows in set (0.00 sec)

mysql> select title from book where bid IN(select bid from trans where sid=101);

+-------+

| title |

+-------+

| CN |

+-------+

1 row in set (0.14 sec)

mysql> select cost from book where bid IN(select bid from trans where sid=103);

+------+

| cost |

+------+

| 400 |

+------+

1 row in set (0.00 sec)

mysql> select sum(cost) from book;

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

| sum(cost) |

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

| 950 |

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

1 row in set (0.09 sec)

mysql> select count(bid) from trans where sid=104;

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

| count(bid) |

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

| 1 |

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

1 row in set (0.03 sec)

mysql> create view vi as select bid,title,cost from book;

Query OK, 0 rows affected (0.13 sec)

mysql> select \* from vi;

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

| bid | title | cost |

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

| 1 | let us c | 100 |

| 2 | DBMS | 200 |

| 3 | CN | 250 |

| 4 | SEPM | 400 |

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

4 rows in set (0.03 sec)

mysql> insert into vi values(5,'TOC',150);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from vi;

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

| bid | title | cost |

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

| 1 | let us c | 100 |

| 2 | DBMS | 200 |

| 3 | CN | 250 |

| 4 | SEPM | 400 |

| 5 | TOC | 150 |

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

5 rows in set (0.00 sec)

mysql> select \* from book;

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

| bid | title | author | cost |

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

| 1 | let us c | Kanetkar | 100 |

| 2 | DBMS | Korth | 200 |

| 3 | CN | Tenenbaum | 250 |

| 4 | SEPM | Pressman | 400 |

| 5 | TOC | NULL | 150 |

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

5 rows in set (0.00 sec)

mysql> delete from vi where bid=5;

Query OK, 1 row affected (0.03 sec)

mysql> select \* from vi;

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

| bid | title | cost |

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

| 1 | let us c | 100 |

| 2 | DBMS | 200 |

| 3 | CN | 250 |

| 4 | SEPM | 400 |

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

4 rows in set (0.00 sec)

mysql> update vi set title='Let us C++' where bid=1;

Query OK, 1 row affected (0.04 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from vi;

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

| bid | title | cost |

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

| 1 | Let us C++ | 100 |

| 2 | DBMS | 200 |

| 3 | CN | 250 |

| 4 | SEPM | 400 |

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

4 rows in set (0.00 sec)

mysql> create view vi1 as select s.sid,s.name,t.bid,t.fine from stud s ,trans t where s.sid=t.sid;

Query OK, 0 rows affected (0.31 sec)

mysql> select \* from vi1;

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

| sid | name | bid | fine |

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

| 104 | urja | 1 | NULL |

| 103 | prajwal | 4 | 50 |

| 101 | ankit | 3 | 10 |

| 102 | vishal | 2 | 5 |

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

4 rows in set (0.03 sec)

mysql> update vi1 set name='shashank' where sid=104;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from vi1;

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

| sid | name | bid | fine |

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

| 104 | shashank | 1 | NULL |

| 103 | prajwal | 4 | 50 |

| 101 | ankit | 3 | 10 |

| 102 | vishal | 2 | 5 |

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

4 rows in set (0.00 sec)

mysql> insert into vi1 values(105,'sneha',5,100);

ERROR 1394 (HY000): Can not insert into join view 'db1.vi1' without fields list

mysql> show index from stud;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| stud | 0 | PRIMARY | 1 | sid | A | 4 | NULL | NULL | | BTREE | | |

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

1 row in set (0.05 sec)

mysql> show index from book;

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

| Table | Non\_unique | Key\_name | Seq\_in\_index | Column\_name | Collation | Cardinality | Sub\_part | Packed | Null | Index\_type | Comment | Index\_comment |

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

| book | 0 | PRIMARY | 1 | bid | A | 4 | NULL | NULL | | BTREE | | |

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

1 row in set (0.00 sec)

mysql> show create table trans;

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

| Table | Create Table |

+-------+------------------------------------------------------------------------------------------------------------------------+| trans | CREATE TABLE `trans` (

`sid` int(3) DEFAULT NULL,

`bid` int(3) DEFAULT NULL,

`trans\_date` date DEFAULT NULL,

`fine` int(3) DEFAULT NULL,

KEY `sid` (`sid`),

KEY `bid` (`bid`)

) ENGINE=MyISAM DEFAULT CHARSET=latin1 |

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

1 row in set (0.00 sec)

mysql> alter table stud drop primary key;

Query OK, 4 rows affected (0.07 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> desc stud;

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

| Field | Type | Null | Key | Default | Extra |

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

| sid | int(3) | NO | | NULL | |

| name | char(10) | YES | | NULL | |

| address | char(10) | YES | | NULL | |

| DOB | date | YES | | NULL | |

| contactno | int(11) | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> alter table trans drop primary key;

ERROR 1091 (42000): Can't DROP 'PRIMARY'; check that column/key exists

mysql> select \* from trans;

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

| sid | bid | trans\_date | fine |

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

| 104 | 1 | 2018-07-14 | NULL |

| 103 | 4 | 2018-07-02 | 50 |

| 101 | 3 | 2018-07-01 | 10 |

| 102 | 2 | 2018-06-30 | 5 |

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

4 rows in set (0.00 sec)

mysql> select \* from trans groupby bid;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'bid' at line 1

mysql> select \* from trans GROUP BY bid;

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

| sid | bid | trans\_date | fine |

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

| 104 | 1 | 2018-07-14 | NULL |

| 102 | 2 | 2018-06-30 | 5 |

| 101 | 3 | 2018-07-01 | 10 |

| 103 | 4 | 2018-07-02 | 50 |

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

4 rows in set (0.30 sec)