Microsoft Windows [Version 10.0.19045.6093]

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C:\Program Files\MySQL\MySQL Server 9.3\bin>mysql -h localhost -u root -p

Enter password: \*\*\*\*

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

Your MySQL connection id is 9

Server version: 9.3.0 MySQL Community Server - GPL

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

VIEW OPERATONS:-

mysql> create database inventory;

mysql> use inventory;

Database changed

mysql> desc product;

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

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

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

| pid | int | NO | PRI | NULL | |

| pname | varchar(20) | YES | | NULL | |

| price | float | YES | | NULL | |

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

3 rows in set (0.263 sec)

mysql> desc sale;

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

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

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

| sid | int | YES | | NULL | |

| pid | int | YES | MUL | NULL | |

| qty | int | YES | | NULL | |

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

3 rows in set (0.015 sec)

mysql> desc supplier;

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

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

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

| sppuid | int | NO | PRI | NULL | |

| sname | varchar(20) | YES | | NULL | |

| address | varchar(20) | YES | | NULL | |

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

3 rows in set (0.014 sec)

mysql> create view v1 as select \* from product;

Query OK, 0 rows affected (0.180 sec)

mysql> create view v2 as select pid,pname,qty from product, sale;

ERROR 1052 (23000): Column 'pid' in field list is ambiguous

mysql> insert into v1 values(123,'shoes',500);

Query OK, 1 row affected (0.242 sec)

mysql> select \* from v1;

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

| pid | pname | price |

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

| 123 | shoes | 500 |

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

1 row in set (0.005 sec)

mysql> insert into v1 values(125,'shirt',900);

Query OK, 1 row affected (0.093 sec)

mysql> select \* from v1;

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

| pid | pname | price |

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

| 123 | shoes | 500 |

| 125 | shirt | 900 |

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

2 rows in set (0.004 sec)

mysql> delete from v1 where price = 500;

Query OK, 1 row affected (0.211 sec)

mysql> select \* from v1;

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

| pid | pname | price |

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

| 125 | shirt | 900 |

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

1 row in set (0.004 sec)

mysql> select \* from v1;

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

| pid | pname | price |

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

| 125 | shirt | 900 |

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

1 row in set (0.005 sec)

mysql> update v1 set price = 700 where pname = 'shirt';

Query OK, 1 row affected (0.088 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from v1;

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

| pid | pname | price |

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

| 125 | shirt | 700 |

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

1 row in set (0.004 sec)

mysql> drop view v1;

Query OK, 0 rows affected (0.099 sec)

INDEX OPERATIONS:

mysql> CREATE INDEX i\_price ON product(price);

Query OK, 0 rows affected (0.494 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> CREATE INDEX x\_pname ON product(pname);

Query OK, 0 rows affected (0.556 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> SHOW INDEX FROM product;

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

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

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

| product | 0 | PRIMARY | 1 | pid | A | 1 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | i\_price | 1 | price | A | 1 | NULL | NULL | YES | BTREE | | | YES | NULL |

| product | 1 | x\_pname | 1 | pname | A | 1 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.127 sec)

mysql> desc product;

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

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

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

| pid | int | NO | PRI | NULL | |

| pname | varchar(20) | YES | MUL | NULL | |

| price | float | YES | MUL | NULL | |

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

3 rows in set (0.017 sec)

mysql> insert into product values(100.'milk'300);

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 ''milk'300)' at line 1

mysql> insert into product values(100,'milk',300);

Query OK, 1 row affected (0.316 sec)

mysql> select \* from product;

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

| pid | pname | price |

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

| 100 | milk | 300 |

| 125 | shirt | 700 |

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

2 rows in set (0.004 sec)

mysql> delete from product where pname= milk;

ERROR 1054 (42S22): Unknown column 'milk' in 'where clause'

mysql> delete from product where pname= 'milk';

Query OK, 1 row affected (0.216 sec)

mysql> insert into product values(126,'shoes',500);

Query OK, 1 row affected (0.085 sec)

mysql> insert into product values(130,'t-shirt',250);

Query OK, 1 row affected (0.085 sec)

mysql> insert into product values(132,'pants',650);

Query OK, 1 row affected (0.084 sec)

mysql> select \* from product;

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

| pid | pname | price |

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

| 125 | shirt | 700 |

| 126 | shoes | 500 |

| 130 | t-shirt | 250 |

| 132 | pants | 650 |

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

4 rows in set (0.004 sec)

OPERATORS:-

mysql> show index from product;

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

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

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

| product | 0 | PRIMARY | 1 | pid | A | 1 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | i\_price | 1 | price | A | 1 | NULL | NULL | YES | BTREE | | | YES | NULL |

| product | 1 | x\_pname | 1 | pname | A | 1 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.014 sec)

mysql> select \* from product where price between 100 and 499;

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

| pid | pname | price |

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

| 130 | t-shirt | 250 |

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

1 row in set (0.059 sec)

mysql> select pname from product where pname like 's%';

+-------+

| pname |

+-------+

| shirt |

| shoes |

+-------+

2 rows in set (0.006 sec)

mysql> select pname from product where pname like 'k%';

Empty set (0.005 sec)

mysql> select pname from product where pname like 't%';

+---------+

| pname |

+---------+

| t-shirt |

+---------+

1 row in set (0.005 sec)

mysql> select \* from product where price between 500 and 800;

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

| pid | pname | price |

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

| 126 | shoes | 500 |

| 132 | pants | 650 |

| 125 | shirt | 700 |

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

3 rows in set (0.007 sec)

mysql>