**View operations:**

Microsoft Windows [Version 10.0.22631.4602]

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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 72

Server version: 9.3.0 MySQL Community Server - GPL

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owners.

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

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 (0.211 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 (0.025 sec)

mysql> desc supplier;

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

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

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

| suppid | int | NO | PRI | 5 | |

| sname | varchar(100) | NO | | NULL | |

| address | varchar(30) | YES | UNI | NULL | |

| email | varchar(50) | YES | | NULL | |

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

4 rows in set (0.026 sec)

mysql> create view v1 as select pid,pname from product;

Query OK, 0 rows affected (0.231 sec)

mysql> update v1 set pid=123;

Query OK, 0 rows affected (0.017 sec)

Rows matched: 0 Changed: 0 Warnings:0

mysql> update v1 set pname='riya';

Query OK, 0 rows affected (0.012 sec)

Rows matched: 0 Changed: 0 Warnings: 0

mysql> select \* from supplier;

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

| suppid | sname | address | email |

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

| 978 | PRIYA | NULL | NULL |

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

1 row in set (0.012 sec)

mysql> drop view v1;

Query OK, 0 rows affected (0.235 sec)

**INDEX operations:**

mysql> create index x1 on product(pid,pname);

Query OK, 0 rows affected (0.486 sec)

Records: 0 Duplicates: 0 Warnings: 0

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 (0.041 sec)

mysql> insert into product values(111,'book',300);

Query OK, 1 row affected (0.184 sec)

mysql> insert into product values(112,'notebook',250),(113,'files',450),(114,'graphicnotebook,350),(115,'journals,550);

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 'journals,550)' at line 1

mysql> insert into product values(112,'notebook',250);

Query OK, 1 row affected (0.185 sec)

mysql> insert into product values(112,'journal',350);

ERROR 1062 (23000): Duplicate entry '112' for key 'product.PRIMARY'

mysql> insert into product values(113,'journal',350);

Query OK, 1 row affected (0.205 sec)

mysql> select \* from product;

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

| 113 | journal | 350 |

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

3 rows in set (0.013 sec)

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 | 2 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | x1 | 1 | pid | A | 2 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | x1 | 2 | pname | A | 2 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.357 sec)

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 | 2 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | x1 | 1 | pid | A | 2 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | x1 | 2 | pname | A | 2 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.039 sec)

**LOGICAL operations:**

mysql> select \* from product where price between 280 and 400;

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

| pid | pname | price |

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

| 111 | book | 300 |

| 113 | journal | 350 |

| 114 | grahicsbook | 400 |

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

3 rows in set (0.141 sec)

mysql> select \* from product where price between 350 and 300;

Empty set (0.011 sec)

mysql> select \* from product where price between 300 and 350;

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

| pid | pname | price |

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

| 111 | book | 300 |

| 113 | journal | 350 |

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

2 rows in set (0.012 sec)

mysql> select \* from product where price between 300 or 350;

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 'or 350' at line 1

mysql> select \* from product where pname like 'j%';

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

| pid | pname | price |

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

| 113 | journal | 350 |

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

1 row in set (0.164 sec)

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

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

| 114 | grahicsbook | 400 |

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

3 rows in set (0.013 sec)

mysql> select \* from product where pname like '%o%';

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

| 113 | journal | 350 |

| 114 | grahicsbook | 400 |

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

4 rows in set (0.011 sec)