Microsoft Windows [Version 10.0.26100.4652]

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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 65

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.

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 (0.043 sec)

mysql> desc sale;

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

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

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

| sid | int | YES | | NULL | |

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

| quantity | int | YES | | NULL | |

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

3 rows in set (0.028 sec)

mysql> desc supplier;

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

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

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

| suppid | int | NO | PRI | NULL | |

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

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

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

3 rows in set (0.027 sec)

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

Query OK, 0 rows affected (0.119 sec)

mysql> update v1 set pid=123;

Query OK, 1 row affected (0.078 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> update v1 set pname='riya';

Query OK, 1 row affected (0.052 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from supplier;

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

| suppid | sname | address |

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

| 1234 | lucky | NULL |

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

1 row in set (0.012 sec)

mysql> drop view v1;

Query OK, 0 rows affected (0.266 sec)

**INDEX Operation:**

mysql> create index X1 on product(pid,pname);

Query OK, 0 rows affected (0.467 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 (0.030 sec)

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

Query OK, 1 row affected (0.233 sec)

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

Query OK, 1 row affected (0.237 sec)

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

Query OK, 1 row affected (0.253 sec)

**LOGICAL OPERATION:**

mysql> select \* from product;

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

| 113 | journal | 350 |

| 123 | riya | NULL |

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

4 rows in set (0.010 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 | 3 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | X1 | 1 | pid | A | 3 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | X1 | 2 | pname | A | 3 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.168 sec)

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

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

| pid | pname | price |

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

| 111 | book | 300 |

| 113 | journal | 350 |

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

2 rows in set (0.010 sec)

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

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

| pid | pname | price |

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

| 111 | book | 300 |

| 113 | journal | 350 |

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

2 rows in set (0.009 sec)

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

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

| pid | pname | price |

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

| 113 | journal | 350 |

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

1 row in set (0.011 sec)

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

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

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

2 rows in set (0.007 sec)

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

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

| pid | pname | price |

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

| 111 | book | 300 |

| 112 | notebook | 250 |

| 113 | journal | 350 |

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

3 rows in set (0.008 sec)