**VIEW OPERATION :**

Microsoft Windows [Version 10.0.22631.5189]

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C:\Users\SAINATH>mysql -h localhost -u root -p

Enter password: \*\*\*\*\*\*\*\*\*\*\*\*\*

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

Your MySQL connection id is 23

Server version: 8.0.42 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 inventry;

Database changed

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 (0.02 sec)

mysql> desc supplier;

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

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

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

| supid | int | NO | PRI | NULL | |

| supname | varchar(20) | YES | | NULL | |

| supaddress | varchar(20) | YES | | NULL | |

| email | varchar(40) | YES | | NULL | |

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

4 rows in set (0.00 sec)

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 (0.00 sec)

mysql> create view v3 as select product.pid,pname,qty,price from product,sales where product.pid=sales.pid;

ERROR 1146 (42S02): Table 'inventry.sales' doesn't exist

mysql> create view v3 as select product.pid,pname,qty,price from product,sale where product.pid=sale.pid;

Query OK, 0 rows affected (0.02 sec)

mysql> insert into v3 values('100',milk,1,320);

ERROR 1394 (HY000): Can not insert into join view 'inventry.v3' without fields list

mysql> create view v3 as select product.pid,pname,qty,price from product,sale where product.pid=sale.pid;

ERROR 1050 (42S01): Table 'v3' already exists

mysql> create view v1 as select product.pid,pname,qty,price from product,sale where product.pid=sale.pid;

Query OK, 0 rows affected (0.01 sec)

mysql> create view v2 as select product.pid,pname,qty,price from product,sale where product.pid=sale.pid;

Query OK, 0 rows affected (0.03 sec)

mysql> drop view v3;

Query OK, 0 rows affected (0.03 sec)

mysql> drop view v2;

Query OK, 0 rows affected (0.01 sec)

mysql> drop view v1;

Query OK, 0 rows affected (0.03 sec)

**INDEX OPERATION :**

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

Query OK, 0 rows affected (0.07 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 (0.00 sec)

mysql> INSERT INTO product VALUES (99, 'MILK', 350);

Query OK, 1 row affected (0.03 sec)

mysql> SELECT \* FROM product;

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

| pid | pname | price |

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

| 99 | MILK | 350 |

| 101 | NULL | NULL |

| 104 | NULL | NULL |

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

3 rows in set (0.00 sec)

mysql> INSERT INTO product VALUES (101, 'Salt', 500);

ERROR 1062 (23000): Duplicate entry '101' for key 'product.PRIMARY'

mysql> INSERT INTO product VALUES (104, 'Salt', 500);

ERROR 1062 (23000): Duplicate entry '104' for key 'product.PRIMARY'

mysql> INSERT INTO product VALUES (1045, 'Salt', 500);

Query OK, 1 row affected (0.03 sec)

mysql> INSERT INTO product VALUES (145, 'Sugar', 50);

Query OK, 1 row affected (0.03 sec)

mysql> SELECT \* FROM product;

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

| pid | pname | price |

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

| 99 | MILK | 350 |

| 101 | NULL | NULL |

| 104 | NULL | NULL |

| 145 | Sugar | 50 |

| 1045 | Salt | 500 |

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

5 rows in set (0.00 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 | 4 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | X | 1 | pid | A | 4 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | X | 2 | pname | A | 4 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.04 sec)

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

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 'mysql> select \* from product where price between 100 AND 499' at line 1

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

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

| pid | pname | price |

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

| 99 | MILK | 350 |

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

1 row in set (0.00 sec)

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

+-------+

| pname |

+-------+

| MILK |

+-------+

1 row in set (0.02 sec)

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

Empty set (0.00 sec)

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

+-------+

| pname |

+-------+

| Sugar |

+-------+

1 row in set (0.00 sec)

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

+-------+

| pname |

+-------+

| Sugar |

| Salt |

+-------+

2 rows in set (0.00 sec)

mysql>