VIEW OPERATION :

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

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;

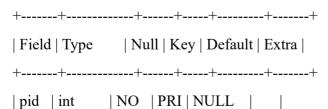Query OK, 0 rows affected (0.03 sec)

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>