**View :**

C:\Program Files\MySQL\MySQL Server 9.4\bin>mysql -h localhost -u root -p

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

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

Your MySQL connection id is 25

Server version: 9.4.0 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> create view A3 as

-> select p\_id,p\_name,qty,price from product,sell where product.p\_id=sell.p\_id;

ERROR 1052 (23000): Column 'p\_id' in field list is ambiguous

mysql> create view A3 as

-> select product.p\_id,p\_name,qty,price from product,sell where product.p\_id=sell.p\_id;

Query OK, 0 rows affected (0.059 sec)

mysql> insert into A3(p\_id,p\_name,qty) values(7458,'Banana',12);

ERROR 1393 (HY000): Can not modify more than one base table through a join view 'inventory.a3'

mysql> insert into A3 values(7458,'Banana',12);

ERROR 1394 (HY000): Can not insert into join view 'inventory.a3' without fields list

mysql> drop view A3;

Query OK, 0 rows affected (0.046 sec)

**Index :**

mysql> create index UA on product(p\_id,p\_name);

Query OK, 0 rows affected (0.294 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> select \*from product;

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

| p\_id | p\_name | price |

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

| 104 | NULL | NULL |

| 1024 | Milk | 74 |

| 3201 | Cheese | 120 |

| 7458 | Apple | 150 |

| 9845 | Bread | 80 |

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

5 rows in set (0.005 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 | p\_id | A | 4 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | UA | 1 | p\_id | A | 5 | NULL | NULL | | BTREE | | | YES | NULL |

| product | 1 | UA | 2 | p\_name | A | 5 | NULL | NULL | YES | BTREE | | | YES | NULL |

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

3 rows in set (0.069 sec)

**Logical Operations :**

mysql> select \* from product where price between 50 and 120;

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

| p\_id | p\_name | price |

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

| 1024 | Milk | 74 |

| 3201 | Cheese | 120 |

| 9845 | Bread | 80 |

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

3 rows in set (0.015 sec)

mysql> select p\_name from product where p\_name like %k;

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 '%k' at line 1

mysql> select p\_name from product where p\_name like '%k';

+--------+

| p\_name |

+--------+

| Milk |

+--------+

1 row in set (0.019 sec)

mysql> select \* from product;

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

| p\_id | p\_name | price |

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

| 104 | NULL | NULL |

| 1024 | Milk | 74 |

| 3201 | Cheese | 120 |

| 7458 | Apple | 150 |

| 9845 | Bread | 80 |

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

5 rows in set (0.004 sec)

mysql> select p\_name from product where p\_name like 'c%';

+--------+

| p\_name |

+--------+

| Cheese |

+--------+

1 row in set (0.012 sec)

mysql> select p\_name from product where p\_name like '%e%';

+--------+

| p\_name |

+--------+

| Cheese |

| Apple |

| Bread |

+--------+

3 rows in set (0.005 sec)