```
MySQL 8.0 Command Line Cli    ×    +    ∨                                                    —   ☐   ✕

Database changed
mysql> CREATE TABLE Products (
    ->     ProductID INT PRIMARY KEY,
    ->     ProductName VARCHAR(50),
    ->     Category VARCHAR(50),
    ->     Quantity INT,
    ->     Price DECIMAL(10, 2)
    -> );
Query OK, 0 rows affected (0.04 sec)

mysql>
mysql> CREATE TABLE Orders (
    ->     OrderID INT PRIMARY KEY,
    ->     ProductID INT,
    ->     PurchaseAmount DECIMAL(10, 2)
    -> );
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Products (ProductID, ProductName, Category, Quantity, Price)
    -> VALUES
    ->     (1, 'Apple 7', 'Electronics', 15, 1000.00),
    ->     (2, 'Samsung Galaxy', 'Electronics', 10, 800.00),
    ->     (3, 'Nike Shoes', 'Sports', 5, 150.00),
    ->     (4, 'Adidas Jersey', 'Sports', 20, 75.00),
    ->     (5, 'Dell Laptop', 'Electronics', 30, 1200.00);
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql>
mysql> INSERT INTO Orders (OrderID, ProductID, PurchaseAmount)
    -> VALUES
    ->     (1, 1, 1500.00),
    ->     (2, 3, 200.00),
    ->     (3, 5, 3000.00),
    ->     (4, 4, 1000.00);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from Orders Left outer join Products on Products.ProductID =Orders.OrderID where Category not in (Electronics,Sports);
ERROR 1054 (42S22): Unknown column 'Electronics' in 'where clause'
mysql> SELECT *
```

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    ->      (2, 3, 200.00),
    ->      (3, 5, 3000.00),
    ->      (4, 4, 1000.00);
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> select * from Orders Left outer join Products on Products.ProductID =Orders.OrderID where Category not in (Electronics,Sports);
ERROR 1054 (42S22): Unknown column 'Electronics' in 'where clause'
mysql> SELECT *
    -> FROM Orders
    -> LEFT OUTER JOIN Products ON Products.ProductID = Orders.OrderID
    -> WHERE Category NOT IN ('Electronics', 'Sports');
Empty set (0.01 sec)

mysql> SELECT *
    -> FROM Orders
    -> WHERE ProductID NOT IN (SELECT ProductID FROM Products WHERE Category IN ('Electronics', 'Sports'));
Empty set (0.01 sec)

mysql> SELECT ProductName,Quantity from Products where Quantity in (10,20,30);
+---------------+----------+
| ProductName   | Quantity |
+---------------+----------+
| Samsung Galaxy |      10 |
| Adidas Jersey  |      20 |
| Dell Laptop    |      30 |
+---------------+----------+
3 rows in set (0.00 sec)

mysql> select * from Products where Price > (select Price from Products where ProductName = "Apple 7");
+-----------+-------------+-------------+----------+---------+
| ProductID | ProductName | Category    | Quantity | Price   |
+-----------+-------------+-------------+----------+---------+
|         5 | Dell Laptop | Electronics |       30 | 1200.00 |
+-----------+-------------+-------------+----------+---------+
1 row in set (0.01 sec)

mysql> SELECT *
    -> FROM Orders
    -> WHERE PurchaseAmount > (SELECT MAX(PurchaseAmount) FROM Orders);
Empty set (0.01 sec)
```