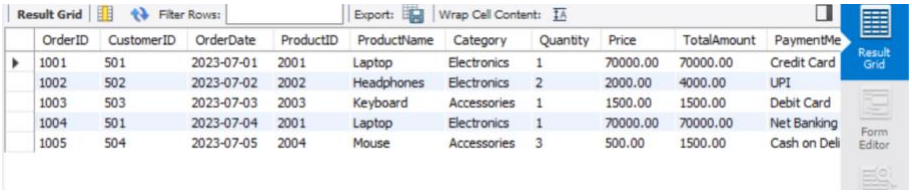
USE ecommerce;

SELECT * FROM ecommerce_order;



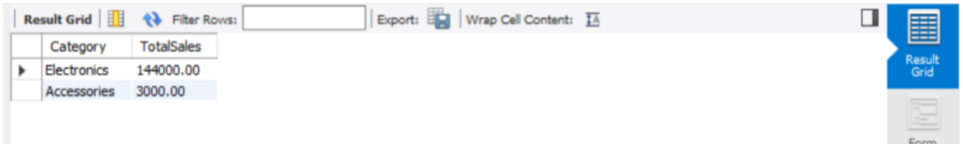
OrderID	CustomerID	OrderDate	ProductID	ProductName	Category	Quantity	Price	TotalAmount	PaymentMe
1001	501	2023-07-01	2001	Laptop	Electronics	1	70000.00	70000.00	Credit Card
1002	502	2023-07-02	2002	Headphones	Electronics	2	2000.00	4000.00	UPI
1003	503	2023-07-03	2003	Keyboard	Accessories	1	1500.00	1500.00	Debit Card
1004	501	2023-07-04	2001	Laptop	Electronics	1	70000.00	70000.00	Net Banking
1005	504	2023-07-05	2004	Mouse	Accessories	3	500.00	1500.00	Cash on Deli

Total Sales by Category

SELECT Category, SUM(TotalAmount) AS TotalSales

FROM ecommerce_orders

GROUP BY Category;



Category	TotalSales
Electronics	144000.00
Accessories	3000.00

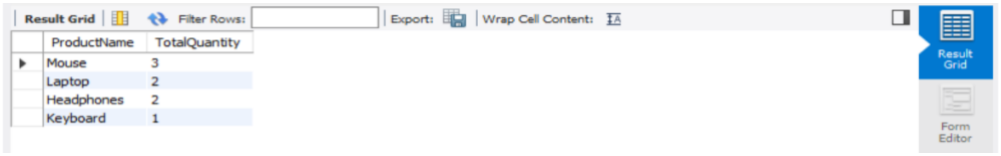
Most Sold Products (by Quantity)

SELECT ProductName, SUM(Quantity) AS TotalQuantity

FROM ecommerce_orders

GROUP BY ProductName

ORDER BY TotalQuantity DESC;



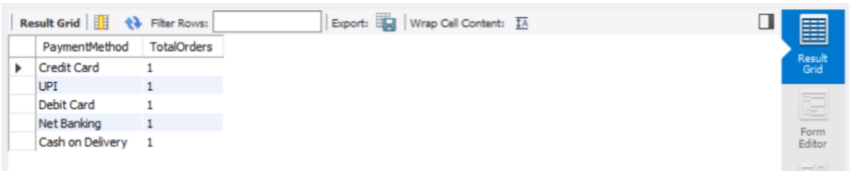
ProductName	TotalQuantity
Mouse	3
Laptop	2
Headphones	2
Keyboard	1

Orders by Payment Method

SELECT PaymentMethod, COUNT(*) AS TotalOrders

FROM ecommerce_orders

GROUP BY PaymentMethod;



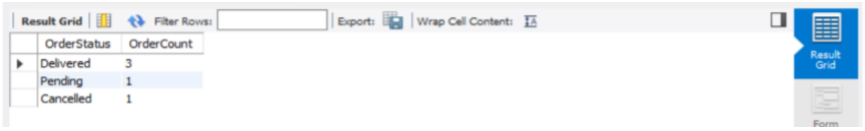
PaymentMethod	TotalOrders
Credit Card	1
UPI	1
Debit Card	1
Net Banking	1
Cash on Delivery	1

Order Status Summary

SELECT OrderStatus, COUNT(*) AS OrderCount

FROM ecommerce_orders

GROUP BY OrderStatus;



OrderStatus	OrderCount
Delivered	3
Pending	1
Cancelled	1

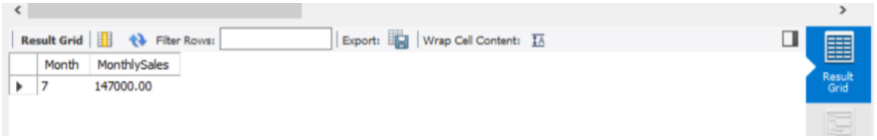
Monthly Sales

SELECT MONTH(OrderDate) AS Month, SUM(TotalAmount) AS MonthlySales

FROM ecommerce_orders

GROUP BY MONTH(OrderDate)

ORDER BY Month;



Month	MonthlySales
7	147000.00

Delivered Orders Only

SELECT * FROM ecommerce_orders

WHERE OrderStatus = 'Delivered';

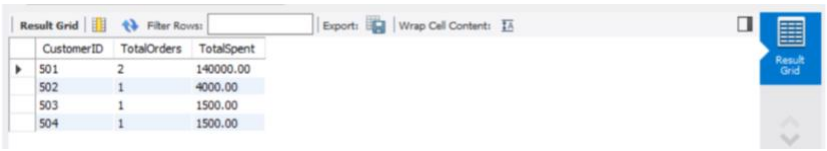
OrderID	CustomerID	OrderDate	ProductID	ProductName	Category	Quantity	Price	TotalAmount	PaymentMet
1001	501	2023-07-01	2001	Laptop	Electronics	1	70000.00	70000.00	Credit Card
1002	502	2023-07-02	2002	Headphones	Electronics	2	2000.00	4000.00	UPI
1004	501	2023-07-04	2001	Laptop	Electronics	1	70000.00	70000.00	Net Banking

Orders by Customer

SELECT CustomerID, COUNT(*) AS TotalOrders, SUM(TotalAmount) AS TotalSpent

FROM ecommerce_orders

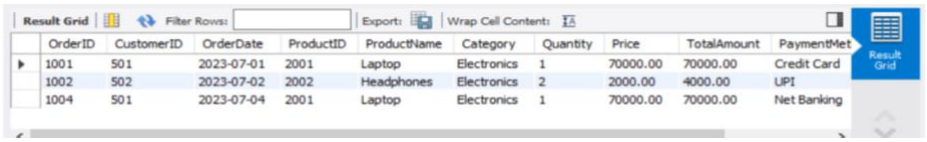
GROUP BY CustomerID;



CustomerID	TotalOrders	TotalSpent
501	2	140000.00
502	1	4000.00
503	1	1500.00
504	1	1500.00

Create a View (Delivered Orders)

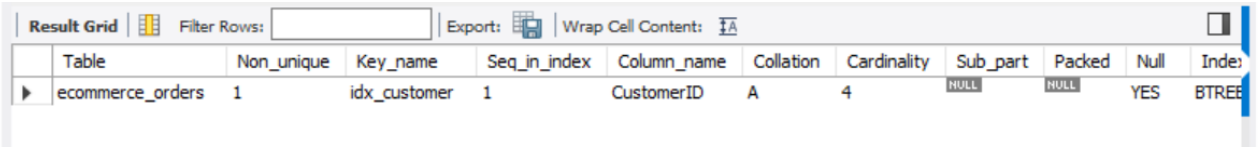
SELECT * FROM delivered_orders;



OrderID	CustomerID	OrderDate	ProductID	ProductName	Category	Quantity	Price	TotalAmount	PaymentMet
1001	501	2023-07-01	2001	Laptop	Electronics	1	70000.00	70000.00	Credit Card
1002	502	2023-07-02	2002	Headphones	Electronics	2	2000.00	4000.00	UPI
1004	501	2023-07-04	2001	Laptop	Electronics	1	70000.00	70000.00	Net Banking

Optimize with Index

SHOW INDEXES FROM ecommerce_orders;



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Table	Non_unique	Key_name	Seq_in_index	Column_name	Collation	Cardinality	Sub_part	Packed	Null	Inde
ecommerce_orders	1	idx_customer	1	CustomerID	A	4	NULL	NULL	YES	BTREE