**Ecommerce Sales Task  
 Common SQL Tasks we come across in Ecommerce Project**1. Calculate the total revenue after applying discounts for each order .

--Formu1a: Total Revenue = (Quantity \* Price) \*(1 - Discount)

2. Find the cumulative revenue generated over time.

--Show revenue accumulated per order date.

3. Determine the most popular product category based on total quantity sold.

4. Pivot the data to show total quantity sold per category in a single row.

5. Identify repeat customers who have placed more than one order.

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CREATE TABLE Ecomm\_Sales (

OrderID INT PRIMARY KEY,

CustomerID VARCHAR(10) NOT NULL,

OrderDate DATE NOT NULL,

Product VARCHAR(100) NOT NULL,

Quantity INT CHECK (Quantity > 0),

Price DECIMAL(10,2) CHECK (Price > 0),

Discount DECIMAL(5,2) CHECK (Discount BETWEEN 0 AND 1),

Category VARCHAR(50) NOT NULL

);

INSERT INTO Ecomm\_Sales (OrderID, CustomerID, OrderDate, Product, Quantity, Price, Discount, Category)

VALUES

(106, 'C005', '2099-03-06', 'Keyboard', 2, 45.00, 0.08, 'Accessories'),

(107, 'C006', '2099-03-07', 'Tablet', 1, 300.00, 0.12, 'Electronics'),

(108, 'C002', '2099-03-08', 'Smartwatch', 1, 200.00, 0.05, 'Electronics'),

(109, 'C003', '2099-03-09', 'Gaming Console', 1, 400.00, 0.10, 'Electronics'),

(110, 'C007', '2099-03-10', 'Wireless Earbuds', 2, 120.00, 0.07, 'Accessories'),

(111, 'C008', '2099-03-11', 'Monitor', 1, 250.00, 0.10, 'Electronics'),

(112, 'C004', '2099-03-12', 'External Hard Drive', 1, 100.00, 0.15, 'Accessories'),

(113, 'C005', '2099-03-13', 'Laptop Bag', 3, 40.00, 0.05, 'Accessories'),

(114, 'C006', '2099-03-14', 'Printer', 1, 150.00, 0.10, 'Electronics'),

(115, 'C001', '2099-03-15', 'Gaming Mouse', 2, 60.00, 0.07, 'Accessories'),

(116, 'C007', '2099-03-16', 'Phone Case', 5, 20.00, 0.10, 'Accessories'),

(117, 'C008', '2099-03-17', 'VR Headset', 1, 350.00, 0.12, 'Electronics'),

(118, 'C002', '2099-03-18', 'Graphics Card', 1, 500.00, 0.10, 'Electronics'),

(119, 'C003', '2099-03-19', 'Bluetooth Speaker', 2, 80.00, 0.08, 'Accessories'),

(120, 'C004', '2099-03-20', 'Router', 1, 90.00, 0.05, 'Electronics');

-- Task 11. Calculate the total revenue after applying discounts for each order .  
 --Formu1a: Total Revenue = (Quantity \* Price) \*(1 - Discount)

select

OrderID,

Quantity\*Price \* (1 - Discount) as Total\_revenue

from Ecomm\_Sales

order by Total\_revenue desc

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-- Task 2

2. Find the cumulative revenue generated over time.

--Show revenue accumulated per order date.

select

OrderID,

Quantity\*Price \* (1 - Discount) as Total\_revenue

from Ecomm\_Sales

order by Total\_revenue desc

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**-- Task 3**

3. Determine the most popular product category based on total quantity sold.

select

Top 1

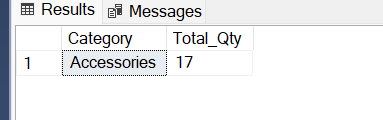
Category,

SUM(Quantity) as Total\_Qty

from Ecomm\_Sales

group by Category

order by Total\_Qty desc



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**-- Task 4**

4.Pivot the data to show total quantity sold per category in a single row.

select

sum(case when Category = 'Accessories' then Quantity end) as Accessories,

sum(case when Category = 'Electronics' then Quantity end) as Electronics

from Ecomm\_Sales

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**-- Task 5**

5. Identify repeat customers who have placed more than one order.

select

CustomerID,

COUNT(OrderID) as Cnt

from Ecomm\_Sales

group by CustomerID

having COUNT(OrderID) > 1

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