Project Title: "MediMart: Digital Pharmacy Inventory and Order Management System"

Milestone: MySQL Implementation

Group 7

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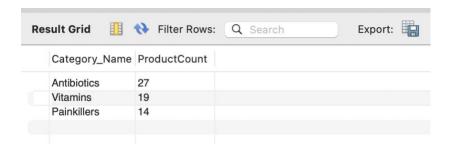
Submission Date: 12 November 2023

SQL QUERIES:

Retrieve the count of products in each category:

```
#Retrieve the count of products in each category:
SELECT p.Category_Name, COUNT(p.Product_ID) AS ProductCount
FROM Product p GROUP BY p.Category_Name;
```

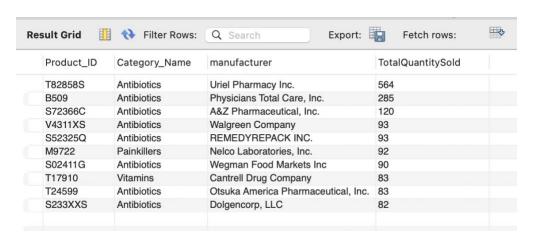
Output:



#Retrieve the top 10 best-selling products:

```
#Retrieve the top 10 best-selling products:
SELECT p.Product_ID, p.Category_Name, p.manufacturer, SUM(p.Order_Quantity) AS TotalQuantitySold
FROM Product p
JOIN Ordered_from od ON p.Product_ID = od.Product_ID
GROUP BY p.Product_ID, p.Category_Name,p.manufacturer
ORDER BY TotalQuantitySold DESC
LIMIT 10;
```

Output:



#Retrieve orders with product details and corresponding patient information:

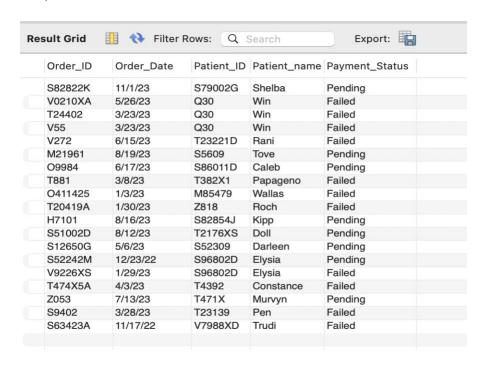
Output:

Order_ID	Order_Date	Product_ID	Order_Quantity	Prod_cost	Patient_ID	Patient_Name	Insurance_No
H7101	8/16/23	S3217XB	49	\$2,231.66	S82854J	Kipp	M80062D
M84759S	5/31/23	T17910	83	\$2,420.70	A59	Duncan	S72101B
H7101	8/16/23	S01101A	25	\$2,254.35	S82854J	Kipp	M80062D
H7101	8/16/23	S53441A	80	\$2,969.92	S82854J	Kipp	M80062D
S82822K	11/1/23	S72136B	73	\$3,723.32	S79002G	Shelba	M216X9
V55	3/23/23	Q6111	25	\$2,730.83	Q30	Win	Y00XXXS
V272	6/15/23	O6013X1	78	\$1,162.66	T23221D	Rani	S62347B
M21961	8/19/23	S59002A	10	\$1,670.21	S5609	Tove	S72462H
09984	6/17/23	T485X5D	26	\$3,135.25	S86011D	Caleb	T22099
S92065A	8/10/23	S63112	76	\$3,009.72	S96802D	Elysia	T23102A
M84759S	5/31/23	I83218	73	\$4,266.27	A59	Duncan	S72101B
Γ20419A	1/30/23	V404	77	\$692.98	Z818	Roch	T3130
H7101	8/16/23	S52325Q	93	\$2,696.04	S82854J	Kipp	M80062D
S12650G	5/6/23	V5959	26	\$409.54	S52309	Darleen	S83401
/9226XS	1/29/23	V712	38	\$4,191.92	S96802D	Elysia	T23102A
M84759S	5/31/23	K958	72	\$4,943.42	A59	Duncan	S72101B
S93504S	8/10/23	Q671	79	\$458.84	H26049	Bradford	S42447D
Γ24402	3/23/23	T85310A	62	\$3,999.07	Q30	Win	Y00XXXS
Z053	7/13/23	T82858S	94	\$2,800.36	T471X	Murvyn	V169
S638X2	3/19/23	S233XXS	82	\$1,480.67	W69XXXD	Robinson	T438X1A
V0210XA	5/26/23	T56813D	56	\$1,868.76	Q30	Win	Y00XXXS
S63423A	11/17/22	S82012J	32	\$2,960.49	V7988XD	Trudi	O3101X2
S52242M	12/23/22	V0402	91	\$3,758.53	S96802D	Elysia	T23102A

#Retrieve orders placed by patients whose payment status is failed or pending

```
#Retrieve orders placed by patients whose payment status is failed or pending
SELECT d.Order_ID, d.Order_Date, d.Patient_ID, pa.Patient_name, p.Payment_Status
FROM delivery d
JOIN patient pa ON d.Patient_ID = pa.Patient_ID
JOIN Payment p ON d.Order_ID = p.Order_ID
WHERE p.Payment_Status in ('Failed', 'Pending');
```

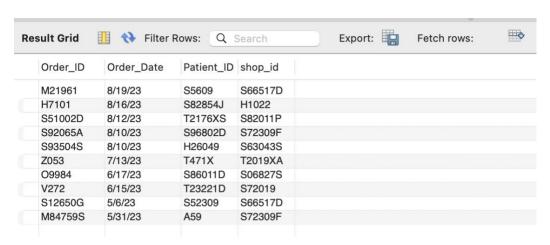
Output:



#Retrieve Top 10 Most Recent Orders:

```
# Retrieve Top 10 Most Recent Orders:
SELECT Order_ID, Order_Date, Patient_ID, shop_id
FROM delivery
ORDER BY Order_Date DESC
LIMIT 10;
```

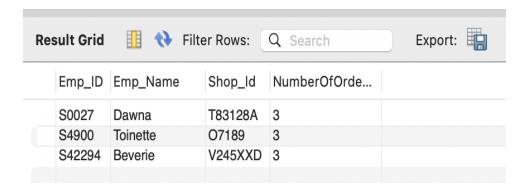
Output:



#Retrieve the Employee who have processed the Most Orders:

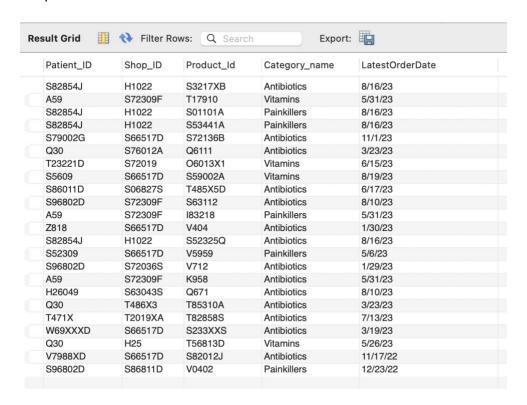
```
#Retrieve the Employee who have proceesed the Most Orders:
SELECT e.Emp_ID, e.Emp_Name, e.Shop_Id, COUNT(d.Order_ID) AS NumberOfOrders
FROM Employees e
JOIN delivery d ON e.Emp_ID = d.Emp_ID
GROUP BY e.Emp_ID, e.Emp_Name,e.shop_Id
HAVING COUNT(d.Order_ID) = (
    SELECT COUNT(Order_ID) AS MaxOrders
    FROM delivery
    GROUP BY Emp_ID
    ORDER BY MaxOrders DESC
LIMIT 1);
```

Output:



#Retrieve the Latest Order for Each Patient:

Output:



Retrieve Total Sales Amount for Each Category:

```
#Retrieve Total Sales Amount for Each Category:
SELECT p.Category_Name, SUM(py.Total_Amt) AS TotalSales
FROM product p
JOIN delivery d ON p.order_ID = d.order_ID
JOIN Payment py ON d.Order_ID = py.Order_ID
GROUP BY p.Category_Name
ORDER BY TotalSales DESC;
```

Output:

