

Project Title: “MediMart: Digital Pharmacy Inventory and Order Management System”

Milestone: MySQL Implementation

Group 7

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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:

Result Grid		Filter Rows:	Search	Export:
Category_Name	ProductCount			
Antibiotics	27			
Vitamins	19			
Painkillers	14			

#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:

Result Grid		Filter Rows:	Search	Export:	Fetch rows:
Product_ID	Category_Name	manufacturer	TotalQuantitySold		
T82858S	Antibiotics	Uriel Pharmacy Inc.	564		
B509	Antibiotics	Physicians Total Care, Inc.	285		
S72366C	Antibiotics	A&Z Pharmaceutical, Inc.	120		
V4311XS	Antibiotics	Walgreen Company	93		
S52325Q	Antibiotics	REMEDYREPACK INC.	93		
M9722	Painkillers	Nelco Laboratories, Inc.	92		
S02411G	Antibiotics	Wegman Food Markets Inc	90		
T17910	Vitamins	Cantrell Drug Company	83		
T24599	Antibiotics	Otsuka America Pharmaceutical, Inc.	83		
S233XXS	Antibiotics	Dolgenercorp, LLC	82		

#Retrieve orders with product details and corresponding patient information:

#Retrieve orders with product details and corresponding patient information:

```
SELECT d.Order_ID, d.Order_Date, p.Product_ID, p.Order_Quantity,
       p.Prod_cost, pa.Patient_ID, pa.Patient_Name, pa.Insurance_No
FROM delivery d
JOIN Patient pa ON d.Patient_ID = pa.Patient_ID
JOIN Product p ON d.order_ID = p.order_ID;
```

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
O9984	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
T20419A	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
V9226XS	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
T24402	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:

Result Grid

Filter Rows:

Export:

	Order_ID	Order_Date	Patient_ID	Patient_name	Payment_Status	
	S82822K	11/1/23	S79002G	Shelba	Pending	
	V0210XA	5/26/23	Q30	Win	Failed	
	T24402	3/23/23	Q30	Win	Failed	
	V55	3/23/23	Q30	Win	Failed	
	V272	6/15/23	T23221D	Rani	Failed	
	M21961	8/19/23	S5609	Tove	Pending	
	O9984	6/17/23	S86011D	Caleb	Pending	
	T881	3/8/23	T382X1	Papageno	Failed	
	O411425	1/3/23	M85479	Wallas	Failed	
	T20419A	1/30/23	Z818	Roch	Failed	
	H7101	8/16/23	S82854J	Kipp	Pending	
	S51002D	8/12/23	T2176XS	Doll	Pending	
	S12650G	5/6/23	S52309	Darleen	Pending	
	S52242M	12/23/22	S96802D	Elysia	Pending	
	V9226XS	1/29/23	S96802D	Elysia	Failed	
	T474X5A	4/3/23	T4392	Constance	Failed	
	Z053	7/13/23	T471X	Murvyn	Pending	
	S9402	3/28/23	T23139	Pen	Failed	
	S63423A	11/17/22	V7988XD	Trudi	Failed	

#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:

Result Grid

Filter Rows:

Search

Export:




Fetch rows:

Order_ID	Order_Date	Patient_ID	shop_id	
M21961	8/19/23	S5609	S66517D	
H7101	8/16/23	S82854J	H1022	
S51002D	8/12/23	T2176XS	S82011P	
S92065A	8/10/23	S96802D	S72309F	
S93504S	8/10/23	H26049	S63043S	
Z053	7/13/23	T471X	T2019XA	
O9984	6/17/23	S86011D	S06827S	
V272	6/15/23	T23221D	S72019	
S12650G	5/6/23	S52309	S66517D	
M84759S	5/31/23	A59	S72309F	

#Retrieve the Employee who have processed the Most Orders:

```
#Retrieve the Employee who have proceessed 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:

Result Grid   Filter Rows: <input type="text" value="Search"/> Export: 					
	Emp_ID	Emp_Name	Shop_Id	NumberOfOrde...	
	S0027	Dawna	T83128A	3	
	S4900	Toinette	O7189	3	
	S42294	Beverie	V245XXD	3	

#Retrieve the Latest Order for Each Patient:

```
#Retrieve the Latest Order for Each Patient:
SELECT distinct(d.Patient_ID), d.Shop_ID, p.Product_Id, p.Category_name,
    MAX(d.Order_Date) AS LatestOrderDate
FROM delivery d
JOIN Product p ON d.order_id = p.order_ID
GROUP BY Patient_ID, d.Shop_ID, p.Product_Id, p.Category_name;
```

Output :




Result Grid   Filter Rows: <input type="text" value="Search"/> Export: 					
	Patient_ID	Shop_ID	Product_Id	Category_name	LatestOrderDate
	S82854J	H1022	S3217XB	Antibiotics	8/16/23
	A59	S72309F	T17910	Vitamins	5/31/23
	S82854J	H1022	S01101A	Painkillers	8/16/23
	S82854J	H1022	S53441A	Painkillers	8/16/23
	S79002G	S66517D	S72136B	Antibiotics	11/1/23
	Q30	S76012A	Q6111	Antibiotics	3/23/23
	T23221D	S72019	O6013X1	Vitamins	6/15/23
	S5609	S66517D	S59002A	Vitamins	8/19/23
	S86011D	S06827S	T485X5D	Antibiotics	6/17/23
	S96802D	S72309F	S63112	Antibiotics	8/10/23
	A59	S72309F	I83218	Painkillers	5/31/23
	Z818	S66517D	V404	Antibiotics	1/30/23
	S82854J	H1022	S52325Q	Antibiotics	8/16/23
	S52309	S66517D	V5959	Painkillers	5/6/23
	S96802D	S72036S	V712	Antibiotics	1/29/23
	A59	S72309F	K958	Antibiotics	5/31/23
	H26049	S63043S	Q671	Antibiotics	8/10/23
	Q30	T486X3	T85310A	Antibiotics	3/23/23
	T471X	T2019XA	T82858S	Antibiotics	7/13/23
	W69XXXD	S66517D	S233XXS	Antibiotics	3/19/23
	Q30	H25	T56813D	Vitamins	5/26/23
	V7988XD	S66517D	S82012J	Antibiotics	11/17/22
	S96802D	S86811D	V0402	Painkillers	12/23/22

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:

Result Grid   Filter Rows: <input type="text" value="Search"/> Export: 		
	Category_Name	TotalSales
	Antibiotics	47096.189999999995
	Painkillers	19223.43
	Vitamins	12221.380000000001