**1. Product Category Pricing Tier**

SELECT

OrderID,

ProductLine,

UnitPrice,

CASE

WHEN UnitPrice >= 300 THEN 'Premium'

WHEN UnitPrice >= 200 THEN 'Standard'

ELSE 'Budget'

END AS PriceCategory

FROM data;

| **OrderID** | **ProductLine** | **UnitPrice** | **PriceCategory** |
| --- | --- | --- | --- |
| 1 | Electronics | 150 | Budget |
| 2 | Furniture | 300 | Premium |
| 5 | Electronics | 250 | Standard |
| 6 | Furniture | 400 | Premium |
| 12 | Furniture | 280 | Standard |
| 14 | Electronics | 190 | Budget |

**🔹 2. Total Value Flag**

SELECT

OrderID,

Total,

CASE

WHEN Total >= 500 THEN 'High Value'

WHEN Total >= 300 THEN 'Medium Value'

ELSE 'Low Value'

END AS OrderValueCategory

FROM data;

| **OrderID** | **Total** | **OrderValueCategory** |
| --- | --- | --- |
| 1 | 150 | Low Value |
| 5 | 500 | High Value |
| 12 | 560 | High Value |
| 14 | 570 | High Value |
| 20 | 400 | Medium Value |

**🔹 3. Region-wise Shipping Zone**

SELECT

CustomerLocation,

CASE

WHEN CustomerLocation IN ('Mexico City', 'Toronto') THEN 'North America'

WHEN CustomerLocation = 'Tokyo' THEN 'Asia'

WHEN CustomerLocation IN ('San Francisco', 'Vancouver') THEN 'Canada/US'

ELSE 'Other'

END AS Region

FROM data

GROUP BY CustomerLocation;

| **CustomerLocation** | **Region** |
| --- | --- |
| Mexico City | North America |
| Toronto | North America |
| San Francisco | Canada/US |
| Vancouver | Canada/US |
| Tokyo | Asia |

**🔹**

**4. Quantity Discount Eligibility**

SELECT

CustomerName,

Quantity,

CASE

WHEN Quantity >= 4 THEN 'Eligible for Discount'

ELSE 'No Discount'

END AS DiscountStatus

FROM data;

| **CustomerName** | **Quantity** | **DiscountStatus** |
| --- | --- | --- |
| David Kim | 5 | Eligible for Discount |
| Noah Dupont | 4 | Eligible for Discount |
| Ava Morales | 5 | Eligible for Discount |
| Alexander Ivanov | 4 | Eligible for Discount |

**🔹 5. Electronics Orders Identification**

SELECT

OrderID,

CustomerName,

ProductLine,

CASE

WHEN ProductLine = 'Electronics' THEN 'Yes'

ELSE 'No'

END AS IsElectronics

FROM data;

| **CustomerName** | **ProductLine** | **IsElectronics** |
| --- | --- | --- |
| Sarah Lee | Electronics | Yes |
| Michael Wong | Furniture | No |
| Sophia Patel | Electronics | Yes |
| Ethan Müller | Electronics | Yes |
| John Smith | Electronics | Yes |

**🔹 6. Custom Message for Clothing Orders**

SELECT

CustomerName,

ProductLine,

CASE

WHEN ProductLine = 'Clothing' THEN 'Thanks for shopping fashion!'

ELSE 'Explore our clothing collection'

END AS Message

FROM data;

| **CustomerName** | **ProductLine** | **Message** |
| --- | --- | --- |
| David Kim | Clothing | Thanks for shopping fashion! |
| Noah Dupont | Clothing | Thanks for shopping fashion! |
| Ava Morales | Clothing | Thanks for shopping fashion! |
| Alexander Ivanov | Clothing | Thanks for shopping fashion! |
| Sophia Nguyen | Clothing | Thanks for shopping fashion! |

**🔹 7. Tiered Loyalty Points (based on Total)**

SELECT

CustomerName,

Total,

CASE

WHEN Total >= 500 THEN 50

WHEN Total >= 300 THEN 30

ELSE 10

END AS LoyaltyPoints

FROM data;

| **CustomerName** | **Total** | **LoyaltyPoints** |
| --- | --- | --- |
| Sophia Patel | 500 | 50 |
| Jacob Kowalski | 560 | 50 |
| William Tanaka | 570 | 50 |
| Daniel Moreno | 580 | 50 |

**🔹 8. City-Based Tax Rate Category**

SELECT

CustomerLocation,

CASE

WHEN CustomerLocation = 'Tokyo' THEN '8%'

WHEN CustomerLocation = 'Mexico City' THEN '10%'

WHEN CustomerLocation = 'Toronto' THEN '13%'

ELSE '5%'

END AS TaxRate

FROM data

GROUP BY CustomerLocation;

| **CustomerLocation** | **TaxRate** |
| --- | --- |
| Mexico City | 10% |
| Toronto | 13% |
| Tokyo | 8% |
| Vancouver | 5% |
| San Francisco | 5% |

**🔹**

**9. Combined ProductLine and Quantity Flag**

SELECT

CustomerName,

ProductLine,

Quantity,

CASE

WHEN ProductLine = 'Electronics' AND Quantity >= 2 THEN 'Bulk Electronics'

WHEN ProductLine = 'Furniture' AND Quantity = 1 THEN 'Single Furniture Item'

ELSE 'Other'

END AS OrderTag

FROM data;

| **CustomerName** | **ProductLine** | **Quantity** | **OrderTag** |
| --- | --- | --- | --- |
| Sophia Patel | Electronics | 2 | Bulk Electronics |
| Ethan Müller | Electronics | 2 | Bulk Electronics |
| Emma Hernandez | Electronics | 2 | Bulk Electronics |
| William Tanaka | Electronics | 3 | Bulk Electronics |
| John Smith | Electronics | 2 | Bulk Electronics |
| Michael Wong | Furniture | 1 | Single Furniture Item |
| Liam Nguyen | Furniture | 1 | Single Furniture Item |
| Olivia Sato | Furniture | 1 | Single Furniture Item |
| Mia Dupuis | Furniture | 1 | Single Furniture Item |

**🔹 10. Customer Type by Total Purchase**

sql

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SELECT

CustomerName,

Total,

CASE

WHEN Total >= 500 THEN 'Gold Customer'

WHEN Total >= 300 THEN 'Silver Customer'

ELSE 'Bronze Customer'

END AS CustomerType

FROM data;

| **CustomerName** | **Total** | **CustomerType** |
| --- | --- | --- |
| Sophia Patel | 500 | Gold Customer |
| Jacob Kowalski | 560 | Gold Customer |
| William Tanaka | 570 | Gold Customer |
| Daniel Moreno | 580 | Gold Customer |
| Michael Wong | 300 | Silver Customer |
| Emily Davis | 450 | Silver Customer |