

```
JOIN Customer c ON o.Customer_ID = c.Customer_ID
LEFT JOIN Shipping s ON o.Customer_ID = s.Customer_ID;
--4. Outlier Detection:
--High Order Amounts:
SELECT * FROM Order_ WHERE Amount > (SELECT AVG(Amount) + 3 * STDDEV(Amount) FROM ORDER_);
--5. Pivoting and Unpivoting Data:
--Shipping Status Pivot by Customer:
SELECT * FROM (
SELECT Customer_ID, Status FROM Shipping
) AS SourceTable
PIVOT (
COUNT(Status) FOR Status IN ('Pending', 'Delivered')
) AS PivotTable;
```

6. Segmentation Analysis:
Customer Segmentation by Total Spend:
SELECT CASE
WHEN Total_Spent > 1000 THEN 'High Value'
WHEN Total_Spent BETWEEN 500 AND 1000 THEN 'Medium Value'
ELSE 'Low Value'
END AS Segment, COUNT(*)
FROM (SELECT Customer_ID, SUM(Amount) AS Total_Spent FROM Order_ GROUP BY Customer_ID) AS Spending
GROUP BY Segment;
7. Cumulative Analysis:
Running Total of Orders by Date (if available):
SELECT Order_Date, SUM(Amount) OVER (ORDER BY Order_Date) AS Running_Total FROM Order;
SELECT item, SUM( Amount) OVER (ORDER BY Order_Date) AS Running_Total FROM Order
8. Drill-Down Analysis:

