

ELEVATE LABS DATA ANALYST INTERN ON 15th APRIL 2025

MS SQL SERVER

Introduction

The dataset, `sales_data_sample.csv`, represents a sample of transactional sales data typically used for business analysis and reporting. Each row corresponds to a line item in a sales order, capturing key metrics related to product sales, customers, and revenue generation.

The data includes information such as:

Order Details: Order number, date, quantity ordered, price, and total sales.

Product Details: Product code and product line.

Customer Details: Customer name and possibly contact or region (depending on the full schema).

Sales Metrics: Revenue (SALES), unit price (PRICEEACH), and quantity sold (QUANTITYORDERED).

This dataset is ideal for analyzing trends over time, product performance, customer value, and generating key business insights such as revenue growth, order volume, and product popularity.

Summary Insights (Based on SQL Queries Run)

Here are some key insights you can derive from this dataset:

Monthly Overview

You can calculate monthly total revenue and order volume using the `ORDERDATE` and `SALES` columns.

This reveals seasonality, peak months, and sales trends over time.

Product Insights

Find top-selling products by total revenue and quantity.

Analyze product popularity over time and identify months with the highest demand for specific items.

Customer Analysis

Identify top customers based on total spending.

Evaluate first-time vs. repeat customers.

Calculate Customer Lifetime Value (CLTV) by summing total sales per customer.

Financial Performance

You can determine average sales per order, order size categories, and even estimate profit margins if unit cost data (`BUYPRICE`) is included.

Trend Analysis

Calculate month-over-month growth rates for revenue.

Track orders by quarter or day of week to inform strategic planning.

SQL QUERIES USED WITH MS SQL SERVER

Query for Monthly Revenue

-----Query for Monthly Revenue-----

```
SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    SUM(SALES) AS TotalRevenue
FROM
    sales_data_sample
GROUP BY
    FORMAT(ORDERDATE, 'yyyy-MM')
ORDER BY
    Month;
```

15 %

Results Messages

	Month	TotalRevenue
1	2003-01	129753.599731445
2	2003-02	140836.189941406
3	2003-03	174504.900085449
4	2003-04	201609.551086426
5	2003-05	192673.109985352
6	2003-06	168082.56072998
7	2003-07	187731.880493164
8	2003-08	197809.300048828
9	2003-09	263973.360961914
10	2003-10	568290.971557617
11	2003-11	1029837.66271973
12	2003-12	261876.150800002

Query executed successfully

Query for Monthly Order Volume

```
-----Query for Monthly Order Volume-----  
SELECT  
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,  
    COUNT(DISTINCT ORDERNUMBER) AS TotalOrders  
FROM  
    sales_data_sample  
GROUP BY  
    FORMAT(ORDERDATE, 'yyyy-MM')  
ORDER BY  
    Month;
```

6

results Messages

Month	TotalOrders
2003-01	5
2003-02	3
2003-03	6
2003-04	7
2003-05	6
2003-06	6
2003-07	6
2003-08	5
2003-09	8
2003-10	17
2003-11	28
2003-12	7

Query executed successfully.

Combine Revenue and Orders (Optional)

```
-----Combine Revenue and Orders (Optional)---  
SELECT  
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,  
    SUM(SALES) AS TotalRevenue,  
    COUNT(DISTINCT ORDERNUMBER) AS TotalOrders  
FROM  
    sales_data_sample  
GROUP BY  
    FORMAT(ORDERDATE, 'yyyy-MM')  
ORDER BY  
    Month;
```

Invalid column name 'ORDERNUMBER'.

6

results Messages

Month	TotalRevenue	TotalOrders
2003-01	129753.599731445	5
2003-02	140836.189941406	3
2003-03	174504.900085449	6
2003-04	201609.551086426	7
2003-05	192673.109985352	6
2003-06	168082.56072998	6
2003-07	187731.880493164	6
2003-08	197809.300048828	5
2003-09	263973.360961914	8
2003-10	568290.971557617	17
2003-11	1029837.66271973	28
2003-12	261876.450800002	7

Top 5 Months with Highest Revenue

----- Top 5 Months with Highest Revenue-----

```
SELECT TOP 5
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    SUM(SALES) AS TotalRevenue
FROM
    sales_data_sample
GROUP BY
    FORMAT(ORDERDATE, 'yyyy-MM')
ORDER BY
    TotalRevenue DESC;
```

5 %

Results Messages

Month	TotalRevenue
2004-11	1089048.00762939
2003-11	1029837.66271973
2003-10	568290.971557617
2004-10	552924.250793457
2004-08	461501.267944336

Top 5 Products by Total Sales

```
SELECT TOP 5
    PRODUCTCODE,
    SUM(SALES) AS TotalSales
FROM
    sales_data_sample
GROUP BY
    PRODUCTCODE
ORDER BY
    TotalSales DESC;
```

Results Messages

	Month	TotalRevenue
1	2004-11	1089048.00762939
2	2003-11	1029837.66271973
3	2003-10	568290.971557617
4	2004-10	552924.250793457
5	2004-08	461501.267944336

	PRODUCTCODE	TotalSales
1	S18_3232	288245.420898438
2	S10_1949	191073.029052734
3	S10_4698	170401.070922852
4	S12_1108	168585.319091797
5	S18_2238	154623.950195313

Monthly Order Count by Product

```
SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    PRODUCTCODE,
    COUNT(DISTINCT ORDERNUMBER) AS OrderCount
FROM
    sales_data_sample
GROUP BY
    FORMAT(ORDERDATE, 'yyyy-MM'),
    PRODUCTCODE
ORDER BY
    Month, OrderCount DESC;
```

Results				Messages
	Month	PRODUCTCODE	OrderCount	
1	2003-01	S10_1949	1	
2	2003-01	S10_4962	1	
3	2003-01	S12_1666	1	
4	2003-01	S12_3148	1	
5	2003-01	S12_4473	1	
6	2003-01	S18_1097	1	
7	2003-01	S18_1342	1	
8	2003-01	S18_1367	1	
9	2003-01	S18_1749	1	
10	2003-01	S18_2238	1	
11	2003-01	S18_2248	1	
12	2003-01	S18_2319	1	
13	2003-01	S18_2325	1	

Query executed successfully

Top 5 Customers by Total Revenue

115 %				Results	Messages
	CUSTOMERNAME	TotalRevenue			
1	Euro Shopping Channel	912294.110473633			
2	Mini Gifts Distributors Ltd.	654858.058105469			
3	Australian Collectors, Co.	200995.41015625			
4	Muscle Machine Inc	197736.940185547			
5	La Rochelle Gifts	180124.899719238			

Average Sales per Order by Month

```

-----Average Sales per Order by Month-----
SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    AVG(SALES) AS AvgOrderValue
FROM
    sales_data_sample
GROUP BY
    FORMAT(ORDERDATE, 'yyyy-MM')
ORDER BY
    Month;

```

results Messages

Month	AvgOrderValue
2003-01	3327.01537772937
2003-02	3435.02902296113
2003-03	3490.09800170898
2003-04	3476.02674286941
2003-05	3321.95017216123
2003-06	3653.96871152131
2003-07	3754.63760986328
2003-08	3410.50517325566
2003-09	3473.33369686729
2003-10	3596.77830099758
2003-11	3479.18129297205
2003-12	3741.09228428432
2004-01	3478.87273365063

Query executed successfully.

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Revenue Trend per Product Over Time

```

SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    PRODUCTCODE,
    SUM(SALES) AS TotalSales
FROM
    sales_data_sample
GROUP BY
    FORMAT(ORDERDATE, 'yyyy-MM'), PRODUCTCODE
ORDER BY
    Month, PRODUCTCODE;

```

.15 %

Results Messages			
	Month	PRODUCTCODE	TotalSales
1	2003-01	S10_1949	5404.6201171875
2	2003-01	S10_4962	5398.259765625
3	2003-01	S12_1666	3394.97998046875
4	2003-01	S12_3148	5958.5
5	2003-01	S12_4473	4615.77978515625
6	2003-01	S18_1097	3920
7	2003-01	S18_1342	4808.31005859375
8	2003-01	S18_1367	2055.73999023438
9	2003-01	S18_1749	5151
10	2003-01	S18_2238	3457.919921875
11	2003-01	S18_2248	3390
12	2003-01	S18_2319	3772.61010742188
13	2003-01	S18_2325	3782

Query executed successfully.

7. Ready

Total Quantity Ordered per Product (Sales Volume)

```

SELECT
    PRODUCTCODE,
    SUM(QUANTITYORDERED) AS TotalQuantity
FROM
    sales_data_sample
GROUP BY
    PRODUCTCODE
ORDER BY
    TotalQuantity DESC;

```

15 %

Results Messages		
	PRODUCTCODE	TotalQuantity
1	S18_3232	1774
2	S24_3856	1052
3	S18_4600	1031
4	S700_4002	1029
5	S12_4473	1024
6	S24_3949	1008
7	S18_1097	999
8	S50_1341	999
9	S18_2432	998
10	S18_3856	997
11	S18_1342	997
12	S24_2300	996
13	S18_2319	993

Month-over-Month Revenue Growth

SQLQuery1.sql - DESKTOP-39CALVC\SQLEXPRESS.sales_data_sample (DESKTOP-39CALVC\LENOVO (66))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

sales_data_sample

Execute

```

TotalRevenue,
LAG(TotalRevenue) OVER (ORDER BY Month) AS PreviousMonthRevenue,
ROUND(
(TotalRevenue - LAG(TotalRevenue) OVER (ORDER BY Month)) * 100.0 /
NULLIF(LAG(TotalRevenue) OVER (ORDER BY Month), 0), 2
) AS MoM_Growth_Percent
FROM MonthlyRevenue;

```

115 %

Results Messages

	Month	TotalRevenue	PreviousMonthRevenue	MoM_Growth_Percent
1	2003-01	129753.599731445	NULL	NULL
2	2003-02	140836.189941406	129753.599731445	8.54
3	2003-03	174504.900085449	140836.189941406	23.91
4	2003-04	201609.551086426	174504.900085449	15.53
5	2003-05	192673.109985352	201609.551086426	-4.43
6	2003-06	168082.56072998	192673.109985352	-12.76
7	2003-07	187731.880493164	168082.56072998	11.69
8	2003-08	197809.300048828	187731.880493164	5.37
9	2003-09	263973.360961914	197809.300048828	33.45
10	2003-10	568290.971557617	263973.360961914	115.28
11	2003-11	1029837.66271973	568290.971557617	81.22
12	2003-12	261876.459899902	1029837.66271973	-74.57
13	2004-01	316577.418762207	261876.459899902	20.89

Query executed successfully.

DESKTOP-39CALVC\SQLEXPRESS ... DESKTOP-39CALVC\LENOVO ... sales_data_sample 00:00:00 29 rows

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Customer Lifetime Value (CLTV) - Total Spent Per Customer

```

SELECT
    CUSTOMERNAME,
    COUNT(DISTINCT ORDERNUMBER) AS TotalOrders,
    SUM(SALES) AS TotalSpent,
    AVG(SALES) AS AvgSpentPerOrder
FROM sales_data_sample
GROUP BY CUSTOMERNAME
ORDER BY TotalSpent DESC;

```

Results Messages

	CUSTOMERNAME	TotalOrders	TotalSpent	AvgSpentPerOrder
1	Euro Shopping Channel	26	912294.110473633	3522.37108290978
2	Mini Gifts Distributors Ltd.	17	654858.058105469	3638.10032280816
3	Australian Collectors, Co.	5	200995.41015625	3654.46200284091
4	Muscle Machine Inc	4	197736.940185547	4119.51958719889
5	La Rochelle Gifts	4	180124.899719238	3398.58301357053
6	Dragon Souvenirs, Ltd.	5	172989.680541992	4023.01582655796
7	Land of Toys Inc.	4	164069.439331055	3348.3559047154
8	The Sharp Gifts Warehouse	4	160010.270263672	4000.2567565918
9	AV Stores, Co.	3	157807.809631348	3094.27077708525
10	Anna's Decorations, Ltd	4	153996.129150391	3347.74193805197
11	Souvenirs And Things Co.	4	151570.979858398	3295.02130126953
12	Corporate Gift Ideas Co.	4	149882.500244141	3655.67073766197
13	Salzburg Collectables	4	149798.630187988	3744.96575469971

Query executed successfully.

First and Last Order Date per Customer

SQLQuery1.sql - DESKTOP-39CALVC\SQLXPRESS.sales_data_sample (DESKTOP-39CALVC\LENOVO (66))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

sales_data_sample

Execute

SQLQuery1.sql - D:\ALVC\LENOVO (66)*

```

ORDER BY TotalSpent DESC;
----- First and Last Order Date per Customer-----
SELECT
    CUSTOMERNAME,
    MIN(ORDERDATE) AS FirstOrderDate,
    MAX(ORDERDATE) AS LastOrderDate,
    COUNT(DISTINCT ORDERNUMBER) AS TotalOrders
FROM sales_data_sample
GROUP BY CUSTOMERNAME
ORDER BY FirstOrderDate;

```

115 %

Results Messages

	CUSTOMERNAME	FirstOrderDate	LastOrderDate	TotalOrders
1	Online Diecast Creations Co.	2003-01-06 00:00:00.000	2004-11-04 00:00:00.000	3
2	Blauer See Auto, Co.	2003-01-09 00:00:00.000	2004-11-05 00:00:00.000	4
3	Vitachrome Inc.	2003-01-10 00:00:00.000	2004-11-05 00:00:00.000	3
4	Baane Mini Imports	2003-01-29 00:00:00.000	2004-11-05 00:00:00.000	4
5	Euro Shopping Channel	2003-01-31 00:00:00.000	2005-05-31 00:00:00.000	26
6	Danish Wholesale Imports	2003-02-11 00:00:00.000	2005-04-15 00:00:00.000	5
7	Rovelli Gifts	2003-02-17 00:00:00.000	2004-11-12 00:00:00.000	3
8	Land of Toys Inc.	2003-02-24 00:00:00.000	2004-11-15 00:00:00.000	4
9	Cruz & Sons Co.	2003-03-03 00:00:00.000	2004-11-16 00:00:00.000	3
10	Motor Mini Distributors Inc.	2003-03-10 00:00:00.000	2004-11-17 00:00:00.000	3
11	AV Stores, Co.	2003-03-18 00:00:00.000	2004-11-17 00:00:00.000	3
12	Volvo Model Replicas, Co	2003-03-24 00:00:00.000	2004-11-19 00:00:00.000	4
13	Mini Wheels Co.	2003-03-25 00:00:00.000	2004-11-18 00:00:00.000	3

Query executed successfully.

DESKTOP-39CALVC\SQLXPRESS ... DESKTOP-39CALVC\LENOVO ... sales_data_sample 00:00:00 92 rows

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Average Revenue per Product per Month

SQLQuery1.sql - DESKTOP-39CALVC\SQLXPRESS.sales_data_sample (DESKTOP-39CALVC\LENOVO (66))* - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

sales_data_sample

Execute

SQLQuery1.sql - D:\ALVC\LENOVO (66)*

```

GROUP BY CUSTOMERNAME
ORDER BY FirstOrderDate;
----- Average Revenue per Product per Month-----
SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    PRODUCTCODE,
    AVG(SALES) AS AvgMonthlyRevenue
FROM sales_data_sample
GROUP BY FORMAT(ORDERDATE, 'yyyy-MM'), PRODUCTCODE
ORDER BY Month, AvgMonthlyRevenue DESC;

```

115 %

Results Messages

	Month	PRODUCTCODE	AvgMonthlyRevenue
1	2003-01	S12_3148	5958.5
2	2003-01	S10_1949	5404.6201171875
3	2003-01	S10_4962	5398.259785625
4	2003-01	S18_4027	5348.5
5	2003-01	S18_1749	5151
6	2003-01	S18_1342	4808.31005859375
7	2003-01	S18_3320	4791.81982421875
8	2003-01	S12_4473	4615.77978515625
9	2003-01	S18_3232	4558.090234375
10	2003-01	S700_2824	4460.81982421875
11	2003-01	S18_4600	4228.2001953125
12	2003-01	S18_1097	3920
13	2003-01	S18_7705	3782

Query executed successfully.

DESKTOP-39CALVC\SQLXPRESS ... DESKTOP-39CALVC\LENOVO ... sales_data_sample 00:00:00 2,240 rows

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Most Ordered Product per Month

WITH MonthlyProductSales AS (

SELECT

FORMAT(ORDERDATE, 'yyyy-MM') AS Month,

PRODUCTCODE,

SUM(QUANTITYORDERED) AS TotalQty

FROM sales_data_sample

GROUP BY FORMAT(ORDERDATE, 'yyyy-MM'), PRODUCTCODE

```

),
RankedProducts AS (
    SELECT *,
        RANK() OVER (PARTITION BY Month ORDER BY TotalQty DESC) AS rnk
    FROM MonthlyProductSales
)
SELECT Month, PRODUCTCODE, TotalQty
FROM RankedProducts
WHERE rnk = 1;

```

115 %

Results Messages

	Month	PRODUCTCODE	TotalQty
1	2003-01	S18_2248	50
2	2003-02	S10_4757	50
3	2003-02	S24_3949	50
4	2003-02	S24_3816	50
5	2003-03	S18_4668	50
6	2003-04	S72_3212	50
7	2003-05	S24_1628	50
8	2003-05	S18_4600	50
9	2003-05	S12_2823	50
10	2003-06	S24_3816	50
11	2003-06	S24_3949	50
12	2003-07	S18_1367	49
13	2003-08	S12_2823	49

Query executed successfully.

Best-Selling Day of the Week (across all time)

SQLQuery1.sql - DESKTOP-39CALVC\SQLXPRESS.sales_data_sample (DESKTOP-39CALVC\LENOVO (66)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

sales_data_sample Execute

```

-----Best-Selling Day of the Week (across all time)-----
SELECT
    DATENAME(WEEKDAY, ORDERDATE) AS DayOfWeek,
    COUNT(DISTINCT ORDERNUMBER) AS OrderCount,
    SUM(SALES) AS TotalRevenue
FROM sales_data_sample
GROUP BY DATENAME(WEEKDAY, ORDERDATE)
ORDER BY TotalRevenue DESC;

```

115 %

Results Messages

	DayOfWeek	OrderCount	TotalRevenue
1	Friday	65	2140653.79968262
2	Thursday	56	1947412.19824219
3	Wednesday	62	1947146.03942671
4	Tuesday	53	1900773.29156494
5	Monday	45	1254535.02929688
6	Sunday	11	421781.558105469
7	Saturday	15	420326.932983398

Query executed successfully.

DESKTOP-39CALVC\SQLXPRESS ... | DESKTOP-39CALVC\LENOVO... | sales_data_sample 00:00:00 7 rows

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Orders by Quarter

--Orders by Quarter----

```
SELECT
    CONCAT(YEAR(ORDERDATE), '-Q', DATEPART(QUARTER, ORDERDATE)) AS Quarter,
    COUNT(DISTINCT ORDERNUMBER) AS TotalOrders,
    SUM(SALES) AS TotalRevenue
FROM sales_data_sample
GROUP BY YEAR(ORDERDATE), DATEPART(QUARTER, ORDERDATE)
ORDER BY Quarter;
```

%

Results Messages

Quarter	TotalOrders	TotalRevenue
2003-Q1	14	445094.689758301
2003-Q2	19	562365.221801758
2003-Q3	19	649514.541503906
2003-Q4	52	1860005.09417725
2004-Q1	25	833730.678649902
2004-Q2	28	766260.730529785
2004-Q3	34	1109396.26745605
2004-Q4	57	2014774.91674805
2005-Q1	36	1071992.35809326
2005-Q2	23	719494.350585938

Top Customer by Month

```
WITH MonthlyCustomerRevenue AS (
    SELECT
        FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
        CUSTOMERNAME,
        SUM(SALES) AS Revenue
    FROM sales_data_sample
    GROUP BY FORMAT(ORDERDATE, 'yyyy-MM'), CUSTOMERNAME
),
RankedRevenue AS (
    SELECT *,
        RANK() OVER (PARTITION BY Month ORDER BY Revenue DESC) AS rnk
    FROM MonthlyCustomerRevenue
)
SELECT Month, CUSTOMERNAME, Revenue
FROM RankedRevenue
WHERE rnk = 1;
```

5 %

Results Messages			
	Month	CUSTOMERNAME	Revenue
	2003-01	Baane Mini Imports	54701.9997558594
	2003-02	Danish Wholesale Imports	58871.1101074219
	2003-03	Cruz & Sons Co.	55245.0201416016
	2003-04	Australian Collectors, Co.	50397.6604003906
	2003-05	Corrida Auto Replicas, Ltd	61073.2104492188
	2003-06	Muscle Machine Inc	68462.1502685547
	2003-07	Mini Gifts Distributors Ltd.	59280.5103759766
	2003-08	Mini Gifts Distributors Ltd.	63088.1606445313
	2003-09	Euro Shopping Channel	47727.8201904297
0	2003-10	Corporate Gift Ideas Co.	95678.8801269531
1	2003-11	Herkku Gifts	95277.1799316406
2	2003-12	Muscle Machine Inc	64316.08984375
3	2004-01	Euro Shopping Channel	65165.1696777344

Query executed successfully.

Repeat vs. First-Time Customers

```

WITH CustomerOrderStats AS (
    SELECT
        CUSTOMERNAME,
        COUNT(DISTINCT ORDERNUMBER) AS OrderCount
    FROM sales_data_sample
    GROUP BY CUSTOMERNAME
)
SELECT
    CASE
        WHEN OrderCount = 1 THEN 'First-Time'
        ELSE 'Repeat'
    END AS CustomerType,
    COUNT(*) AS CustomerCount
FROM CustomerOrderStats
GROUP BY
    CASE
        WHEN OrderCount = 1 THEN 'First-Time'
        ELSE 'Repeat'
    END;

```

115 %

Results Messages		
	CustomerType	CustomerCount
1	First-Time	1
2	Repeat	91

Order Size Buckets

```

SELECT

```

```

ORDERNUMBER,
CUSTOMERNAME,
SALES,
CASE
    WHEN SALES < 500 THEN 'Small'
    WHEN SALES BETWEEN 500 AND 2000 THEN 'Medium'
    ELSE 'Large'
END AS OrderSize
FROM sales_data_sample;

```

5 %

Results Messages

	ORDERNUMBER	CUSTOMERNAME	SALES	OrderSize
	10107	Land of Toys Inc.	2871	Large
	10121	Reims Collectables	2765.89990234375	Large
	10134	Lyon Souvenirs	3884.34008789063	Large
	10145	Toys4GrownUps.com	3746.69995117188	Large
	10159	Corporate Gift Ideas Co.	5205.27001953125	Large
	10168	Technics Stores Inc.	3479.76000976563	Large
	10180	Daedalus Designs Imports	2497.77001953125	Large
	10188	Herkku Gifts	5512.31982421875	Large
	10201	Mini Wheels Co.	2168.5400390625	Large
0	10211	Auto Canal Petit	4708.43994140625	Large
1	10223	Australian Collectors, Co.	3965.65991210938	Large
2	10237	Vitachrome Inc.	2333.1201171875	Large
3	10251	Tekni Collectables Inc.	3188.63989257813	Large

Monthly Unique Products Sold

SQLQuery1.sql - DESKTOP-39CALVC\SQLLEXPRESS\Sales_data_sample (DESKTOP-39CALVC\LENOVO (66)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

REMOTE CONNECTIONS

sales_data_sample

Execute

SQLQuery1.sql - D:\ALVC\LENOVO (66)*

```

FROM sales_data_sample;
----Monthly Unique Products Sold----
SELECT
    FORMAT(ORDERDATE, 'yyyy-MM') AS Month,
    COUNT(DISTINCT PRODUCTCODE) AS UniqueProductsSold
FROM sales_data_sample
GROUP BY FORMAT(ORDERDATE, 'yyyy-MM')
ORDER BY Month;

```

115 %

Results Messages

	Month	UniqueProductsSold
1	2003-01	39
2	2003-02	41
3	2003-03	50
4	2003-04	58
5	2003-05	58
6	2003-06	46
7	2003-07	50
8	2003-08	58
9	2003-09	75
10	2003-10	109
11	2003-11	102
12	2003-12	69
13	2004-01	61

Query executed successfully.

DESKTOP-39CALVC\SQLLEXPRESS ... DESKTOP-39CALVC\LENOVO... sales_data_sample 00:00:00 29 rows

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Create a View for Monthly Sales Summary

```

CREATE VIEW vw_MonthlySalesSummary AS
SELECT

```



```
FORMAT(ORDERDATE, 'yyyy-MM') AS Month,  
SUM(SALES) AS TotalRevenue,  
COUNT(DISTINCT ORDERNUMBER) AS TotalOrders,  
COUNT(DISTINCT CUSTOMERNAME) AS ActiveCustomers  
FROM sales_data_sample  
GROUP BY FORMAT(ORDERDATE, 'yyyy-MM');
```

THANK YOU BY DURGAM MANOHAR