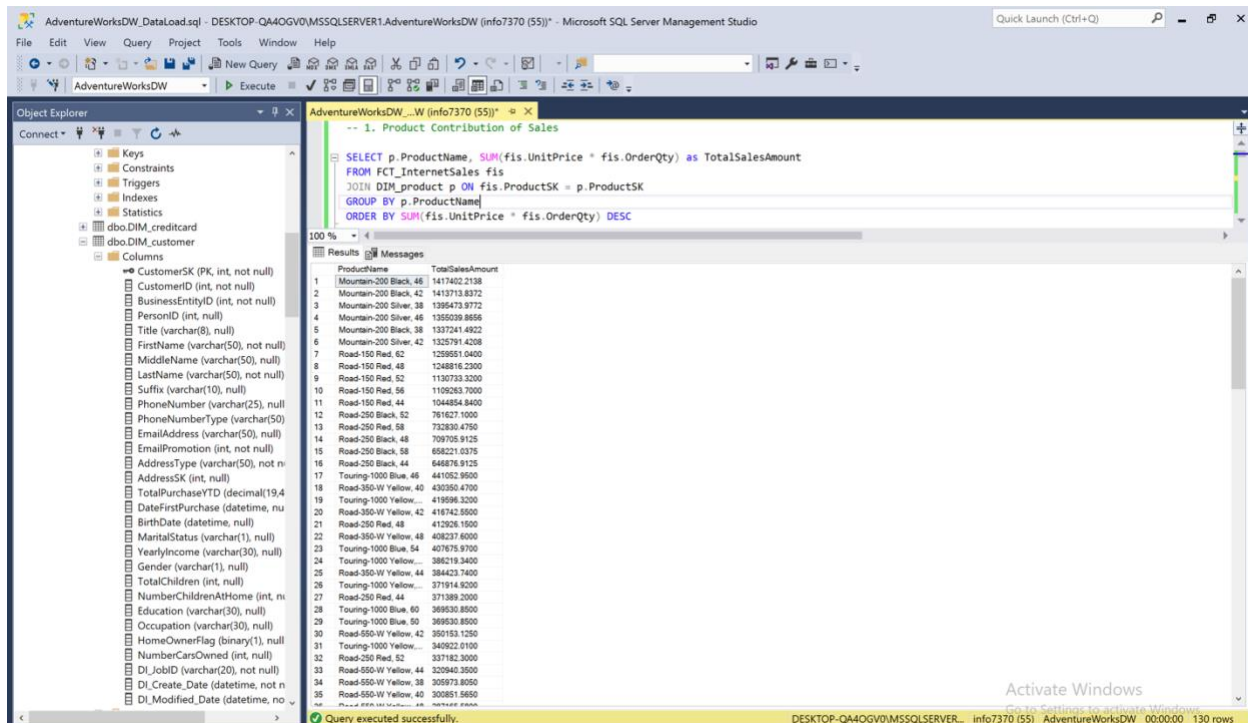


SQL Queries – AdventureWorksDW Team 4

-- 1. Product Contribution of Sales

```
SELECT p.ProductName, SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM FCT_InternetSales fis
JOIN DIM_product p ON fis.ProductSK = p.ProductSK
GROUP BY p.ProductName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC
```

```
SELECT p.ProductName, SUM(fss.UnitPrice * fss.OrderQty) as TotalSalesAmount
FROM DIM_product p
JOIN FCT_StoreSales fss ON p.ProductSK = fss.ProductSK
GROUP BY p.ProductName
ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC
```



The screenshot shows the Microsoft SQL Server Management Studio interface. The Query Editor window displays the following SQL query:

```
-- 1. Product Contribution of Sales
SELECT p.ProductName, SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM FCT_InternetSales fis
JOIN DIM_product p ON fis.ProductSK = p.ProductSK
GROUP BY p.ProductName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC
```

The Results pane shows the output of the query, displaying a list of products and their total sales amounts. The results are as follows:

ProductName	TotalSalesAmount
Mountain-200 Black, 46	1417402.2138
Mountain-200 Black, 42	1413713.8372
Mountain-200 Silver, 38	1356473.9772
Mountain-200 Silver, 46	1355039.8656
Mountain-200 Black, 48	1337241.4922
Mountain-200 Silver, 42	1325791.4208
Road-150 Red, 62	1259551.0400
Road-150 Red, 48	1248816.2300
Road-150 Red, 52	1130733.3200
Road-150 Red, 56	1109263.7000
Road-150 Red, 44	1044884.8400
Road-250 Black, 52	761627.1000
Road-250 Red, 58	732830.4750
Road-250 Black, 48	709705.9125
Road-250 Black, 58	686221.0375
Road-250 Black, 44	646876.9125
Touring-1000 Blue, 46	441052.9500
Road-350-W Yellow, 40	430350.4700
Touring-1000 Yellow, 40	419996.3200
Road-350-W Yellow, 42	416742.2000
Road-250 Red, 48	412926.1500
Road-350-W Yellow, 48	408237.6000
Touring-1000 Blue, 54	407675.9700
Touring-1000 Yellow, 38	386219.3400
Road-350-W Yellow, 44	384423.7400
Touring-1000 Yellow, 40	371914.9200
Road-250 Red, 44	371389.2000
Touring-1000 Blue, 60	369539.8500
Touring-1000 Blue, 50	369530.8500
Road-550-W Yellow, 42	350153.1250
Touring-1000 Yellow, 34	349522.0100
Road-250 Red, 52	337182.3000
Road-550-W Yellow, 44	325940.3500
Road-550-W Yellow, 38	305973.8050
Road-550-W Yellow, 40	300851.5650

--2. Comparison of yearly sales

```
SELECT DATENAME(YYYY, OrderDate ) as OrderYear, SUM(fis.UnitPrice * fis.OrderQty) as
TotalSalesAmount
FROM FCT_InternetSales fis
GROUP BY DATENAME(YYYY, OrderDate )
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC
```

```
SELECT DATENAME(YYYY, OrderDate ) as OrderYear, SUM(fss.UnitPrice * fss.OrderQty) as
TotalSalesAmount
FROM FCT_StoreSales fss
GROUP BY DATENAME(YYYY, OrderDate )
ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC
```

Object Explorer

AdventureWorksDW...W (info7370 (55))

```

ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

--2. Comparison of yearly sales
SELECT DATENAME(YYYY, OrderDate) as OrderYear, SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM FCT_InternetSales fis
GROUP BY DATENAME(YYYY, OrderDate)
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

SELECT DATENAME(YYYY, OrderDate) as OrderYear, SUM(fss.UnitPrice * fss.OrderQty) as TotalSalesAmount
FROM FCT_StoreSales fss
GROUP BY DATENAME(YYYY, OrderDate)
ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

```

Results Messages

OrderYear	TotalSalesAmount
2020	17056504.9903
2018	7386960.0297
2019	6037669.7508
2021	50653.0000
2017	14477.3382

Query executed successfully.

DESKTOP-QA4OGV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 9 rows

--3. Sales Promotions & Discount

```

SELECT p.Category as PromotionCategory, pr.ProductName,
SUM(p.DiscountPct) as DiscountPercentage,
SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM DIM_product pr
JOIN FCT_InternetSales fis ON pr.ProductSK = fis.ProductSK
JOIN DIM_promotions p ON p.PromotionSK = fis.PromotionSK
GROUP BY p.Category, pr.ProductName
ORDER BY SUM(p.DiscountPct) DESC, SUM(fis.UnitPrice * fis.OrderQty)

```

Object Explorer

AdventureWorksDW...W (info7370 (55))

```

ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

--3. Sales Promotions & Discount
SELECT p.Category as PromotionCategory, pr.ProductName,
SUM(p.DiscountPct) as DiscountPercentage,
SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM DIM_product pr
JOIN FCT_InternetSales fis ON pr.ProductSK = fis.ProductSK
JOIN DIM_promotions p ON p.PromotionSK = fis.PromotionSK
GROUP BY p.Category, pr.ProductName
ORDER BY SUM(p.DiscountPct) DESC, SUM(fis.UnitPrice * fis.OrderQty)

```

Results Messages

PromotionCategory	ProductName	DiscountPercentage	TotalSalesAmount
Reseller	Patch Kit& Patches	17.53999999999997	2008.3300
Reseller	Mountain-200 Black, 46	5.979999999999999	634810.6238
Reseller	Road-250 Red, 48	3.38	412926.1500
Reseller	Mountain-200 Silver, 38	3.16	366558.4200
Reseller	Mountain-200 Silver, 46	2.72	315518.6400
Reseller	Road-750 Black, 52	2.12	87228.9400
Reseller	Half-Finger Gloves, L	2.06	2622.4700
Reseller	Long-Sleeve Logo Jersey, XL	1.44	3599.2800
Reseller	Touring-1000 Yellow, 60	1	11920.3500
Reseller	Racing Socks, M	0.88	395.5600
Reseller	Road-550-W Yellow, 40	0.88	49201.5600
Reseller	Touring-1000 Yellow, 54	0.8	9536.2800
Reseller	Touring-1000 Yellow, 46	0.8	9536.2800
Reseller	Touring-3000 Yellow, 44	0.79	14847.0000
Reseller	Road-250 Black, 44	0.76	82947.3000
Reseller	Road-550-W Yellow, 38	0.64	35855.6800
Reseller	Touring-3000 Blue, 50	0.6	2995.4000
Reseller	Mountain-400-W Silver, 46	0.56	21545.7200
Reseller	Touring-3000 Yellow, 52	0.56	11126.2500
Reseller	Mountain-400-W Silver, 40	0.48	18467.7600
Reseller	Touring-3000 Blue, 58	0.45	2227.0500
Reseller	Touring-2000 Blue, 46	0.4	24297.0000
Reseller	Touring-2000 Blue, 50	0.38	21867.3000
Reseller	Touring-3000 Blue, 52	0.3	1484.7000
Reseller	Touring-3000 Yellow, 50	0.3	1484.7000
Reseller	Touring-3000 Yellow, 54	0.3	1484.7000

Query executed successfully.

DESKTOP-QA4OGV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 158 rows

--4. Product Sales by Geography (Country,State,City)

```

SELECT a.CountryRegionName AS Country, a.StateProvinceName, a.City, p.ProductName,
SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM DIM_product p
JOIN FCT_InternetSales fis ON p.ProductSK = fis.ProductSK
JOIN DIM_customer c ON fis.CustomerSK = c.CustomerSK
JOIN DIM_address a ON a.AddressSK = c.AddressSK
GROUP BY a.CountryRegionName, a.StateProvinceName, a.City, p.ProductName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

```

Object Explorer

AdventureWorksDW...W (info7370 (55))

Connect

Keys
Constraints
Triggers
Indexes
Statistics
dbo.DIM_creditcard
dbo.DIM_customer
Columns

CustomerSK (PK, int, not null)
CustomerID (int, not null)
BusinessEntityID (int, not null)
PersonID (int, null)
Title (varchar(8), null)
FirstName (varchar(50), not null)
MiddleName (varchar(50), null)
LastName (varchar(50), not null)
Suffix (varchar(10), null)
PhoneNumber (varchar(25), null)
PhoneNumberType (varchar(50))
EmailAddress (varchar(50), null)
EmailPromotion (int, not null)
AddressType (varchar(50), not null)
AddressSK (int, null)
TotalPurchaseYTD (decimal(19,4))
DateFirstPurchase (datetime, null)
BirthDate (datetime, null)
MaritalStatus (varchar(1), null)
YearlyIncome (varchar(30), null)
Gender (varchar(1), null)
TotalChildren (int, null)
NumberChildrenAtHome (int, null)
Education (varchar(30), null)
Occupation (varchar(30), null)
HomeOwnerFlag (binary(1), null)
NumberCarsOwned (int, null)
DI_JobID (varchar(20), not null)
DI_Create_Date (datetime, not null)
DI_Modified_Date (datetime, not null)

100 %

Results Messages

--4. Product Sales by Geography (Country,State,City)

```

SELECT a.CountryRegionName AS Country, a.StateProvinceName, a.City, p.ProductName, SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount
FROM DIM_product p
JOIN FCT_InternetSales fis ON p.ProductSK = fis.ProductSK
JOIN DIM_customer c ON fis.CustomerSK = c.CustomerSK
JOIN DIM_address a ON a.AddressSK = c.AddressSK
GROUP BY a.CountryRegionName, a.StateProvinceName, a.City, p.ProductName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

```

--5. Product Profits by Sales Territory

Country	StateProvinceName	City	ProductName	TotalSalesAmount
United Kingdom	England	London	Mountain-200 Silver, 46	69682.5564
United Kingdom	England	London	Mountain-200 Black, 46	48276.7538
United Kingdom	England	London	Mountain-200 Black, 42	44424.4492
United Kingdom	England	London	Mountain-200 Silver, 38	40516.9690
France	Seine (Paris)	Paris	Mountain-200 Silver, 46	36125.5584
United Kingdom	England	London	Mountain-200 Black, 38	35982.1648
France	Seine (Paris)	Paris	Mountain-200 Black, 38	35982.1648
Australia	New South Wales	Goulburn	Road-150 Red, 44	32204.4300
Australia	Victoria	Melton	Road-150 Red, 48	32204.4300
United Kingdom	England	London	Road-150 Red, 62	32204.4300
United Kingdom	England	London	Touring-1000 Blue, 50	30992.9100
Australia	Victoria	Warrambool	Mountain-200 Black, 42	29854.5092
France	Seine (Paris)	Paris	Mountain-200 Black, 42	29916.5338
United Kingdom	England	London	Road-250 Black, 48	29058.4125
Australia	Victoria	Sunbury	Road-150 Red, 62	28626.1600
France	Seine (Paris)	Paris	Road-250 Black, 52	28011.2625
United Kingdom	England	London	Road-250 Black, 58	27749.1750
United Kingdom	England	London	Road-250 Red, 58	25829.7000
France	Seine (Paris)	Paris	Road-250 Black, 48	25306.1250
United Kingdom	England	London	Mountain-200 Silver, 42	25271.3196
Australia	Victoria	Sunbury	Road-150 Red, 56	25047.8900
United States	California	Chula Vista	Road-150 Red, 48	25047.8900
Australia	Victoria	Warrambool	Road-150 Red, 56	25047.8900
Australia	South Australia	Perth	Road-150 Red, 62	25047.8900
France	Seine (Paris)	Paris	Mountain-200 Silver, 42	24774.1788
Canada	British Columbia	Langford	Mountain-200 Black, 42	24753.1064

Query executed successfully. DESKTOP-QA4OGV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 16,451 rows

--5. Product Profits by Sales Territory

```

SELECT p.ProductName, st.TerritoryName AS SalesTerritory,
SUM((st.SalesYTD) - (st.CostYTD)) AS Profit
FROM DIM_salesterritory st
JOIN FCT_StoreSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
JOIN DIM_product p ON fss.ProductSK = p.ProductSK
GROUP BY p.ProductName, st.TerritoryName
ORDER BY SUM((st.SalesYTD) - (st.CostYTD)) DESC

```

Object Explorer

Connect

AdventureWorksDW...W (info7370 (55))

```

JOIN DIM_address a ON a.AddressSK = c.AddressSK
GROUP BY a.CountryRegionName, a.StateProvinceName, a.City, p.ProductName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

--5. Product Profits by Sales Territory

SELECT p.ProductName, st.TerritoryName AS SalesTerritory,
SUM((st.SalesYTD) - (st.CostYTD)) AS Profit
FROM DIM_salesTerritory st
JOIN FCT_StoresSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
JOIN DIM_product p ON fss.ProductSK = p.ProductSK
GROUP BY p.ProductName, st.TerritoryName
ORDER BY SUM((st.SalesYTD) - (st.CostYTD)) DESC

```

Results Messages

	ProductName	SalesTerritory	Profit
1	Long-Sleeve Logo Jersey, L	Southwest	2985082500.1876
2	AWC Logo Cap	Southwest	2622017376.9442
3	Sport-100 Helmet, Blue	Southwest	2459539806.4926
4	Sport-100 Helmet, Black	Southwest	2322898706.1319
5	Sport-100 Helmet, Red	Southwest	2102170774.7800
6	Long-Sleeve Logo Jersey, M	Southwest	1986551382.1671
7	Road-650 Red, 60	Southwest	1933997112.7976
8	Road-650 Black, 52	Southwest	1860421135.6803
9	Road-650 Red, 44	Southwest	183939427.9325
10	AWC Logo Cap	Canada	160678379.7392
11	LL Road Frame - Black, 52	Southwest	1786845158.5630
12	Long-Sleeve Logo Jersey, L	Canada	1780991063.1888
13	Road-650 Red, 62	Southwest	1744801743.0674
14	Long-Sleeve Logo Jersey, XL	Southwest	1734262889.1935
15	Road-650 Red, 48	Southwest	1702758327.9718
16	Road-650 Black, 58	Southwest	1671225765.9501
17	ML Road Frame-Wi - Yellow, 44	Southwest	1540595919.4633
18	Road-650-W Yellow, 40	Southwest	1439998980.7243
19	Road-650-W Yellow, 48	Southwest	1429479126.8504
20	Road-650-W Yellow, 38	Southwest	1418965272.9765
21	Sport-100 Helmet, Black	Canada	1401758631.4832
22	Sport-100 Helmet, Blue	Canada	1394998980.3456
23	Road-250 Black, 48	Southwest	1366411003.6070
24	Road-250 Black, 44	Southwest	1345380295.8592
25	Sport-100 Helmet, Red	Canada	1340822169.2448
26	Half-Finger Gloves, M	Southwest	1313858734.2375

Query executed successfully.

DESKTOP-QA40GV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 2,211 rows

--6. Top 5 Sales Person Ranked

```

SELECT TOP 5 CONCAT(s.LastName, ', ', s.FirstName) as SalesPersonName,
SUM(s.SalesYTD) as TotalSalesAmount
FROM DIM_salesperson s
GROUP BY s.LastName, s.FirstName
ORDER BY SUM(s.SalesYTD) DESC

```

Object Explorer

Connect

AdventureWorksDW...W (info7370 (55))

```

FROM DIM_salesTerritory st
JOIN FCT_StoresSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
JOIN DIM_product p ON fss.ProductSK = p.ProductSK
GROUP BY p.ProductName, st.TerritoryName
ORDER BY SUM((st.SalesYTD) - (st.CostYTD)) DESC

--6. Top 5 Sales Person Ranked

SELECT TOP 5 CONCAT(s.LastName, ', ', s.FirstName) as SalesPersonName,
SUM(s.SalesYTD) as TotalSalesAmount
FROM DIM_salesperson s
GROUP BY s.LastName, s.FirstName
ORDER BY SUM(s.SalesYTD) DESC

--7. Top 10 Reseller (Stores) Ranked

```

Results Messages

	SalesPersonName	TotalSalesAmount
1	Mitchell, Linda	4251368.5497
2	Pak, Jee	4116871.2277
3	Byrnie, Michael	3763718.1787
4	Carson, Jillian	3189418.3662
5	Varkey Chudukulal, Ranjit	3121616.3202

Query executed successfully.

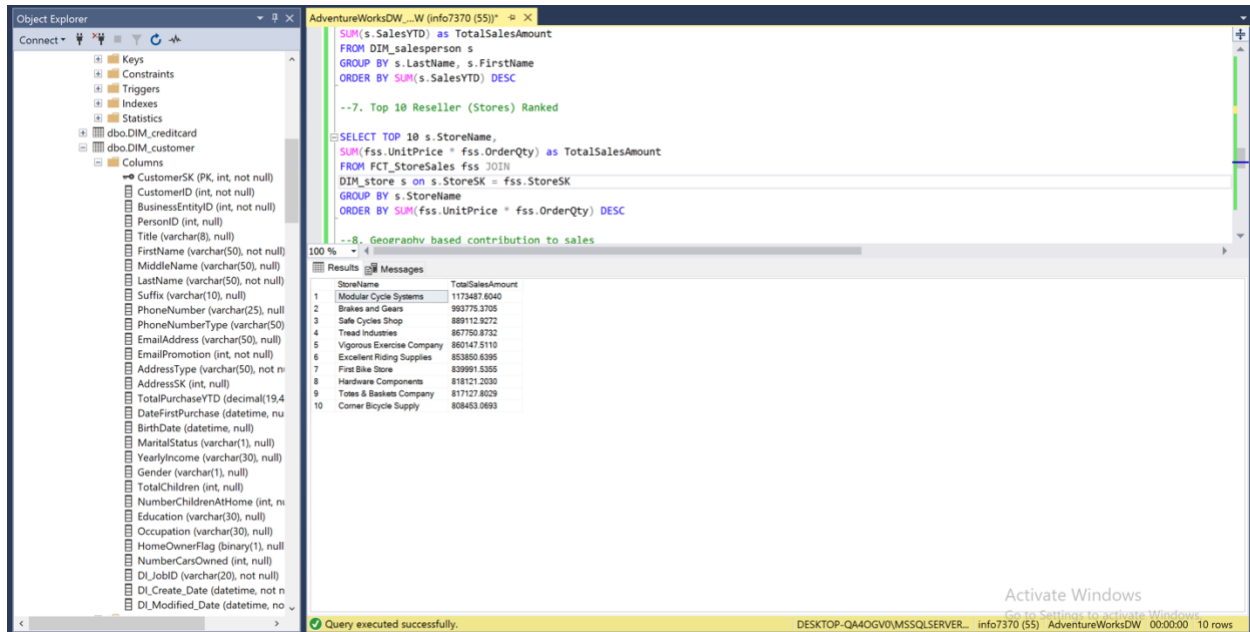
DESKTOP-QA40GV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 5 rows

--7. Top 10 Reseller (Stores) Ranked

```

SELECT TOP 10 s.StoreName,
SUM(fss.UnitPrice * fss.OrderQty) as TotalSalesAmount
FROM FCT_StoreSales fss JOIN
DIM_store s on s.StoreSK = fss.StoreSK
GROUP BY s.StoreName
ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

```



The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the Object Explorer with the database structure of AdventureWorksDW. The right pane shows a query window with the following SQL code:

```

SUM(s.SalesYTD) as TotalSalesAmount
FROM DIM_salesperson s
GROUP BY s.LastName, s.FirstName
ORDER BY SUM(s.SalesYTD) DESC

--7. Top 10 Reseller (Stores) Ranked

SELECT TOP 10 s.StoreName,
SUM(fss.UnitPrice * fss.OrderQty) as TotalSalesAmount
FROM FCT_StoreSales fss JOIN
DIM_store s on s.StoreSK = fss.StoreSK
GROUP BY s.StoreName
ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

--8. Geography based contribution to sales

```

The Results pane shows the output of the query, displaying the top 10 reseller stores ranked by total sales amount:

StoreName	TotalSalesAmount
1 Modular Cycle Systems	1173487.6040
2 Bikes and Gears	993775.3705
3 Safe Cycles Shop	889112.9272
4 Thread Industries	867750.8732
5 Vigorina Exercise Company	860147.5110
6 Excellent Riding Supplies	853850.6395
7 First Bike Store	839991.5355
8 Hardware Components	818121.2030
9 Totes & Baskets Company	817127.8529
10 Corner Bicycle Supply	804653.9893

The status bar at the bottom indicates "Query executed successfully." and "DESKTOP-Q440GV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 10 rows".

--8. Geography based contribution to sales

```

SELECT st.TerritoryName AS SalesTerritory, st.SalesGroup, a.CountryRegionName,
SUM(fis.UnitPrice * fis.OrderQty) as TotalSalesAmount_Internet
FROM DIM_address a
JOIN DIM_customer c ON a.AddressSK = c.AddressSK
JOIN FCT_InternetSales fis ON c.CustomerSK = fis.CustomerSK
JOIN DIM_salesterritory st ON fis.SalesTerritorySK = st.SalesTerritorySK
JOIN FCT_StoreSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
GROUP BY st.TerritoryName, st.SalesGroup, a.CountryRegionName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

```


Object Explorer

AdventureWorksDW...W (info7370 (55))

```

ORDER BY SUM(fss.UnitPrice * fss.OrderQty) DESC

--8. Geography based contribution to sales

SELECT st.TerritoryName AS SalesTerritory, st.SalesGroup, a.CountryRegionName, SUM(fis.UnitPrice * fis.OrderQty) AS TotalSalesAmount_Internet
FROM DIM_address a
JOIN DIM_customer c ON a.AddressSK = c.AddressSK
JOIN FCT_InternetSales fis ON c.CustomerSK = fis.CustomerSK
JOIN DIM_salesTerritory st ON fis.SalesTerritorySK = st.SalesTerritorySK
JOIN FCT_StoresSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
GROUP BY st.TerritoryName, st.SalesGroup, a.CountryRegionName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

--9. Two people-related attributes correlated to their sales

```

Results Messages

SalesTerritory	SalesGroup	CountryRegionName	TotalSalesAmount_Internet	
1	Southwest	North America	United States	83830228837.2492
2	Northwest	North America	United States	32914748058.8464
3	Canada	North America	Canada	2653034455.6976
4	Australia	Pacific	Australia	17914617404.4370
5	United Kingdom	Europe	United Kingdom	12941489959.8296
6	France	Europe	France	10423927906.9416
7	Germany	Europe	Germany	6021481021.8590
8	Southwest	North America	United States	79937396.2768
9	Northwest	North America	United States	38778731.2352
10	Central	North America	United States	19045493.4112

Query executed successfully. DESKTOP-QA4OGV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:00 10 rows

--9. Two people-related attributes correlated to their sales

```

SELECT p.ProductCategoryName, p.ProductName, CONCAT(c.LastName, ', ', c.FirstName) AS
CustomerName, c.EmailAddress, SUM(c.TotalPurchaseYTD) AS TotalPurchaseValue,
SUM(fis.UnitPrice * fis.OrderQty) AS TotalSalesAmount_Internet
FROM DIM_customer c
JOIN FCT_InternetSales fis ON c.CustomerSK = fis.CustomerSK
JOIN DIM_product p ON p.ProductSK = fis.ProductSK
GROUP BY p.ProductCategoryName, p.ProductName, c.LastName, c.FirstName, c.EmailAddress
ORDER BY SUM(c.TotalPurchaseYTD) DESC, SUM(fis.UnitPrice * fis.OrderQty)

```

Object Explorer

AdventureWorksDW...W (info7370 (55))

```

JOIN FCT_StoresSales fss ON st.SalesTerritorySK = fss.SalesTerritorySK
GROUP BY st.TerritoryName, st.SalesGroup, a.CountryRegionName
ORDER BY SUM(fis.UnitPrice * fis.OrderQty) DESC

--9. Two people-related attributes correlated to their sales

SELECT p.ProductCategoryName, p.ProductName, CONCAT(c.LastName, ', ', c.FirstName) AS CustomerName, c.EmailAddress, SUM(c.TotalPurchaseYTD) AS TotalPurchaseValue
FROM DIM_customer c
JOIN FCT_InternetSales fis ON c.CustomerSK = fis.CustomerSK
JOIN DIM_product p ON p.ProductSK = fis.ProductSK
GROUP BY p.ProductCategoryName, p.ProductName, c.LastName, c.FirstName, c.EmailAddress
ORDER BY SUM(c.TotalPurchaseYTD) DESC, SUM(fis.UnitPrice * fis.OrderQty)

--10. Any reseller attributes (at least one) correlated to their sales

```

Results Messages

ProductCategoryName	ProductName	CustomerName	EmailAddress	TotalPurchaseValue	TotalSalesAmount_Internet
1	Accessories	Water Bottle - 30 oz.	Hu, Rosa	28699.2900	14.9700
2	Accessories	Sport-100 Helmet, Red	Cai, Lisa	27790.9854	104.9700
3	Accessories	Sport-100 Helmet, Red	Zheng, Lacey	26842.2554	104.9700
4	Accessories	Water Bottle - 30 oz.	Lopez, Marco	24528.1812	14.9700
5	Accessories	Road Bottle Cage	Lopez, Marco	24528.1812	26.9700
6	Accessories	Sport-100 Helmet, Blue	Lopez, Marco	24528.1812	104.9700
7	Accessories	Sport-100 Helmet, Blue	Turner, Jordan	22108.2912	104.9700
8	Clothing	AWC Logo Cap	Rodriguez, Terrance	21844.9700	26.9700
9	Accessories	Patch K18 Patches	Nara, Nichole	19301.5200	4.5800
10	Bikes	Touring-1000 Yellow, 46	Nara, Nichole	19301.5200	4768.1400
11	Accessories	Road Bottle Cage	Hu, Rosa	19132.8600	17.9800
12	Accessories	Water Bottle - 30 oz.	Chen, Jeffrey	18596.1600	19.9600
13	Accessories	Touring Tire Tube	Cai, Lisa	18527.3236	9.9800
14	Clothing	AWC Logo Cap	Cai, Lisa	18527.3236	17.9800
15	Accessories	Touring Tire	Cai, Lisa	18527.3236	57.9800
16	Accessories	Road Bottle Cage	Zheng, Lacey	17894.8436	14.9700
17	Accessories	Water Bottle - 30 oz.	Blanco, Felicia	17500.5654	14.9700
18	Accessories	Water Bottle - 30 oz.	Raman, Preston	17397.0912	14.9700
19	Accessories	Patch K18 Patches	Shan, Maurice	16804.4836	4.5800
20	Bikes	Mountain-200 Silver, 46	Shan, Maurice	16504.4836	4639.9600
21	Accessories	Water Bottle - 30 oz.	Munoz, Janet	16402.7616	9.9800
22	Accessories	Sport-100 Helmet, Blue	Munoz, Janet	16402.7616	69.9800
23	Bikes	Touring-1000 Yellow, 54	Lopez, Marco	16382.1208	4768.1400
24	Accessories	Water Bottle - 30 oz.	Blanco, Lancy	15792.0054	14.9700
25	Accessories	Water Bottle - 30 oz.	Turner, Jordan	14738.8408	9.9800
26	Accessories	Road Bottle Cage	Turner, Jordan	14738.8408	17.9800

Query executed successfully. DESKTOP-QA4OGV0\MSSQLSERVER... info7370 (55) AdventureWorksDW 00:00:01 58,922 rows

--10. Any reseller attributes (at least one) correlated to their sales

```
SELECT s.StoreName, s.YearOpened, SUM(s.AnnualSales) AS AnnualSales, SUM(fss.UnitPrice *  
fss.OrderQty) as TotalSalesAmount_Stores  
FROM DIM_store s  
JOIN FCT_StoreSales fss ON s.StoreSK = fss.StoreSK  
GROUP BY s.StoreName, s.YearOpened  
ORDER BY SUM(s.AnnualSales), SUM(fss.UnitPrice * fss.OrderQty) DESC
```

The screenshot shows the SQL Server Enterprise Manager interface. On the left, the Object Explorer displays the database structure, including tables like DIM_store and FCT_StoreSales. The central pane shows a SQL query window with the following code:

```
JOIN DIM_product p ON p.ProductSK = fss.ProductSK  
GROUP BY p.ProductCategoryName, p.ProductName, c.LastName, c.FirstName, c.EmailAddress  
ORDER BY SUM(c.TotalPurchaseYTD) DESC, SUM(fss.UnitPrice * fss.OrderQty)  
  
--10. Any reseller attributes (at least one) correlated to their sales  
  
SELECT s.StoreName, s.YearOpened, SUM(s.AnnualSales) AS AnnualSales, SUM(fss.UnitPrice * fss.OrderQty) as TotalSalesAmount_Stores  
FROM DIM_store s  
JOIN FCT_StoreSales fss ON s.StoreSK = fss.StoreSK  
GROUP BY s.StoreName, s.YearOpened  
ORDER BY SUM(s.AnnualSales), SUM(fss.UnitPrice * fss.OrderQty) DESC
```

Below the query window, the Results pane displays the output of the query. The results are as follows:

StoreName	YearOpened	AnnualSales	TotalSalesAmount_Stores
1 Weekend Bike Tours	1978	300000	3030.6648
2 Extra Sporting Goods	1979	600000	788.9395
3 Road Way Sales and Rental	1979	600000	714.5072
4 The Commissary	1970	800000	1295.9880
5 Recreation Supplies	1997	800000	202.3520
6 Gear-Shift Bikes Limited	1993	800000	185.2310
7 Chain and Chain Tool Distributions	1976	800000	148.8740
8 The Cycle Store	1994	800000	57.6808
9 Eleventh Bike Store	1975	800000	1.3740
10 Mobile Outlet	1970	800000	3288.9180
11 Outdoor Aerobic Systems Company	1981	900000	352.3860
12 Regional Cycle Shop	1975	900000	2485.7036
13 Operational Manufacturing	1970	900000	419.4589
14 Road-Way Mart	1998	1000000	1714.6947
15 Riding Excursions	1971	1000000	1229.4589
16 Discount Bicycle Specialists	1971	1000000	672.2940
17 Imported and Domestic Cycles	2000	1000000	419.4589
18 Mountain Emporium	1998	1500000	200.0520
19 Beneficial Exercises and Activities	1982	1500000	144.0000
20 Retirement Activities Association	1982	1500000	
21 Seats and Saddles Company	1976	1500000	
22 Retail Discount Store	1983	1500000	
23 Parcel Express Delivery Service	1979	1500000	
24 Widget Bicycle Specialists	1994	1500000	
25 Major Bicycle Store	1992	1500000	
26 Hometown Riding Supplies	1991	1500000	

The status bar at the bottom indicates "Query executed successfully." and "635 rows".