



BRIEF PROJET 6 ENTREPÔT DE DONNÉE ADVENTUREWORKSDW2016

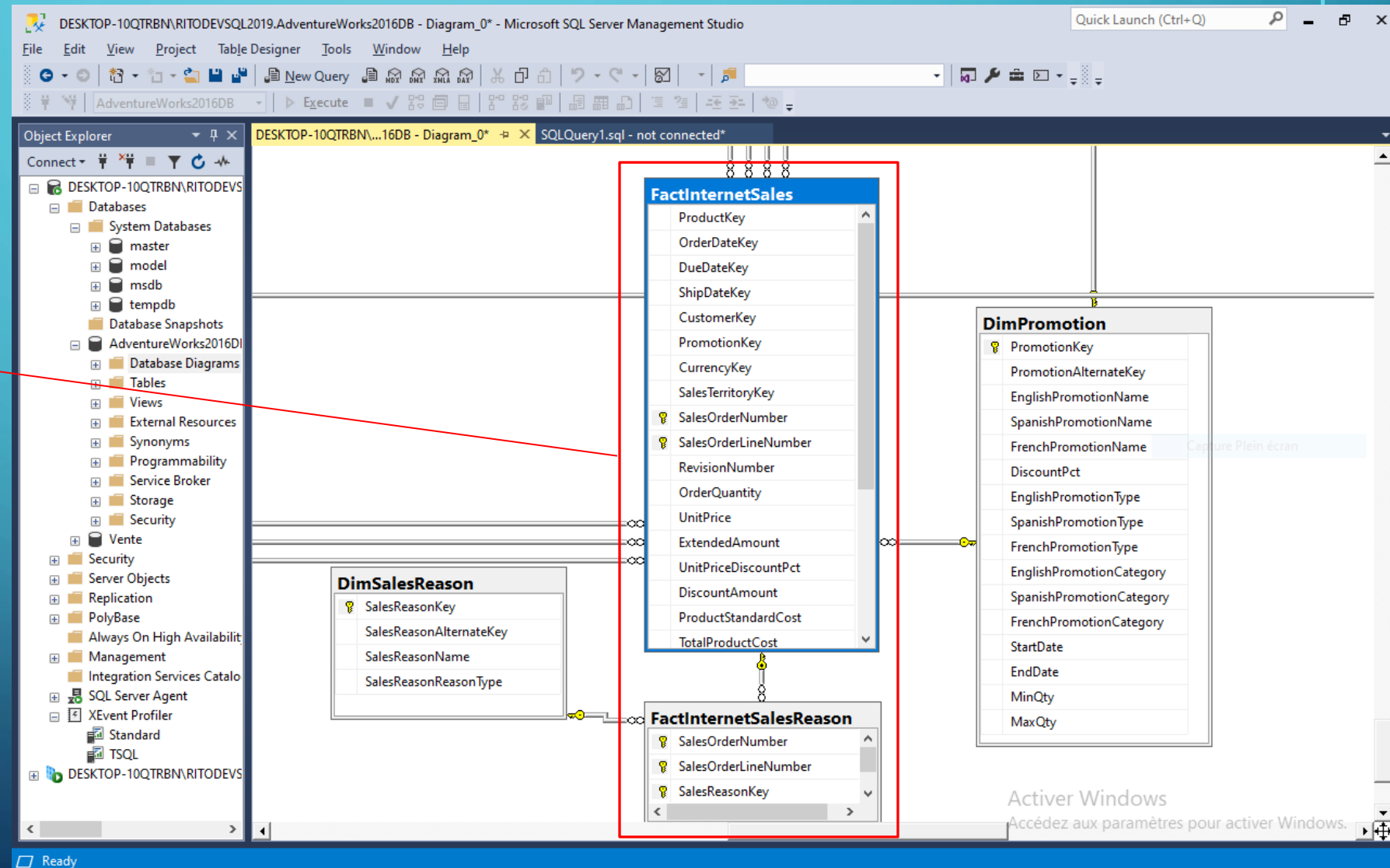
RÉDIGÉ PAR IDRIS MAHAMAT

1 - IDENTIFIER LA TABLE DE FAIT RELATIVE AUX VENTES SUR INTERNET

- ✓ d'après l'analyse du model physique de données d'AdventureWorksDW2016 Nous avons identifié plusieurs tables de fait.
Cependant la table de fait correspondant a notre analyse est :
 - ✓ **FactInternetSales**

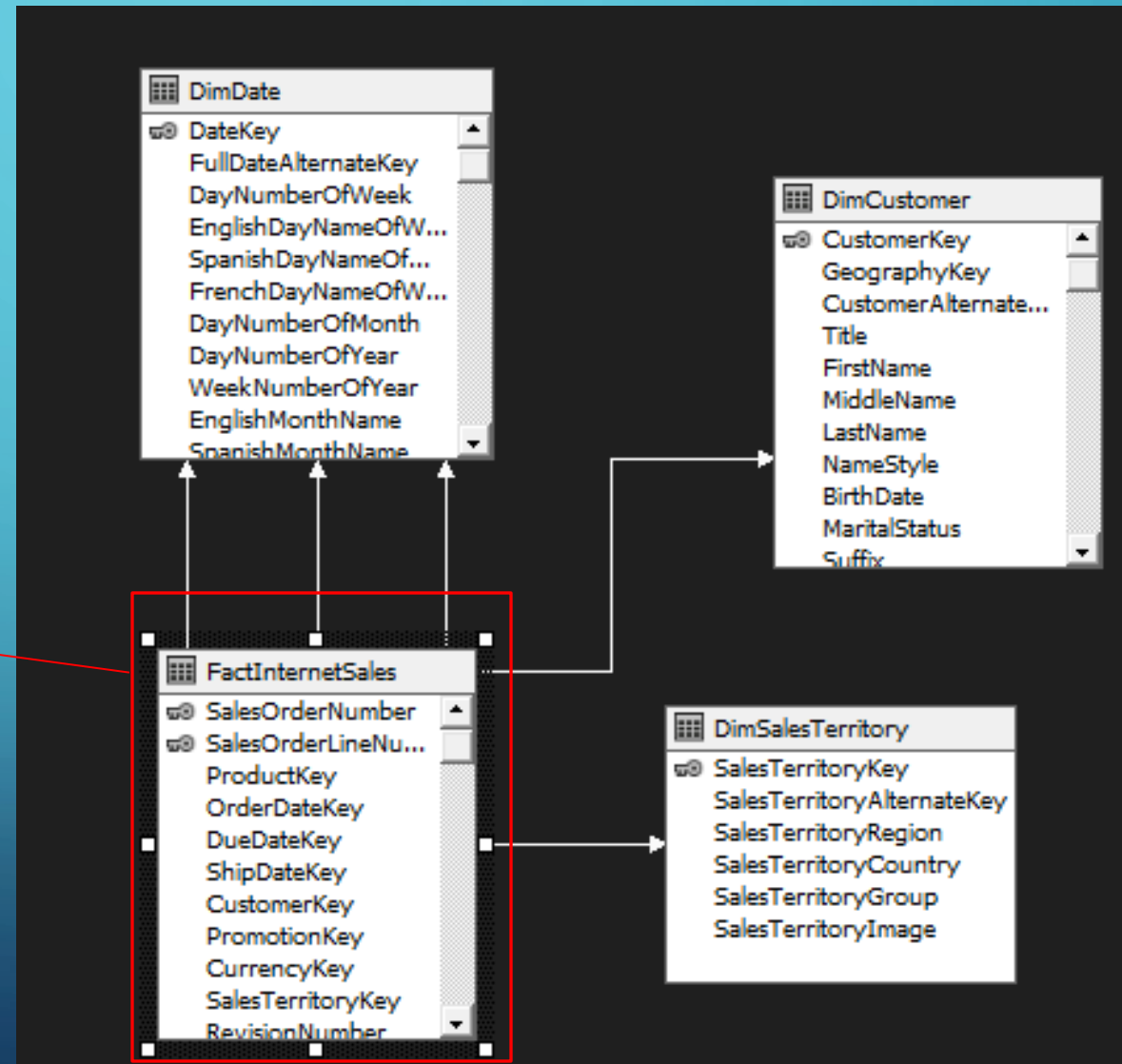
1 - IDENTIFIER LA TABLE DE FAIT RELATIVE AUX VENTES SUR INTERNET

Table de fait
(FactTable)



1 - IDENTIFIER LA TABLE DE FAIT RELATIVE AUX VENTES SUR INTERNET

Le data mart
correspondant



2- REQUETE PERMETTANT D'AFFICHÉ LE CHIFFRE D'AFFAIRE PAR ANNÉE ET PAYS

résultats

SQLQ2_fin.sql - not connected | lastQuestion.sql - not connected | ScriptQ1.sql - DES...QTRBN\ritoDev (53)

```
use AdventureWorks2016DB
select sum( SalesAmount) AS Chiffre_D_affaire,
DimSalesTerritory.SalesTerritoryRegion AS Pays,
DimDate.CalendarYear AS Années
FROM FactInternetSales JOIN DimSalesTerritory
ON
FactInternetSales.SalesTerritoryKey=DimSalesTerritory.SalesTerritoryKey
JOIN DimDate ON
FactInternetSales.DueDateKey=DimDate.DateKey
GROUP BY CalendarYear,SalesTerritoryRegion
ORDER BY CalendarYear
;
```

121 %

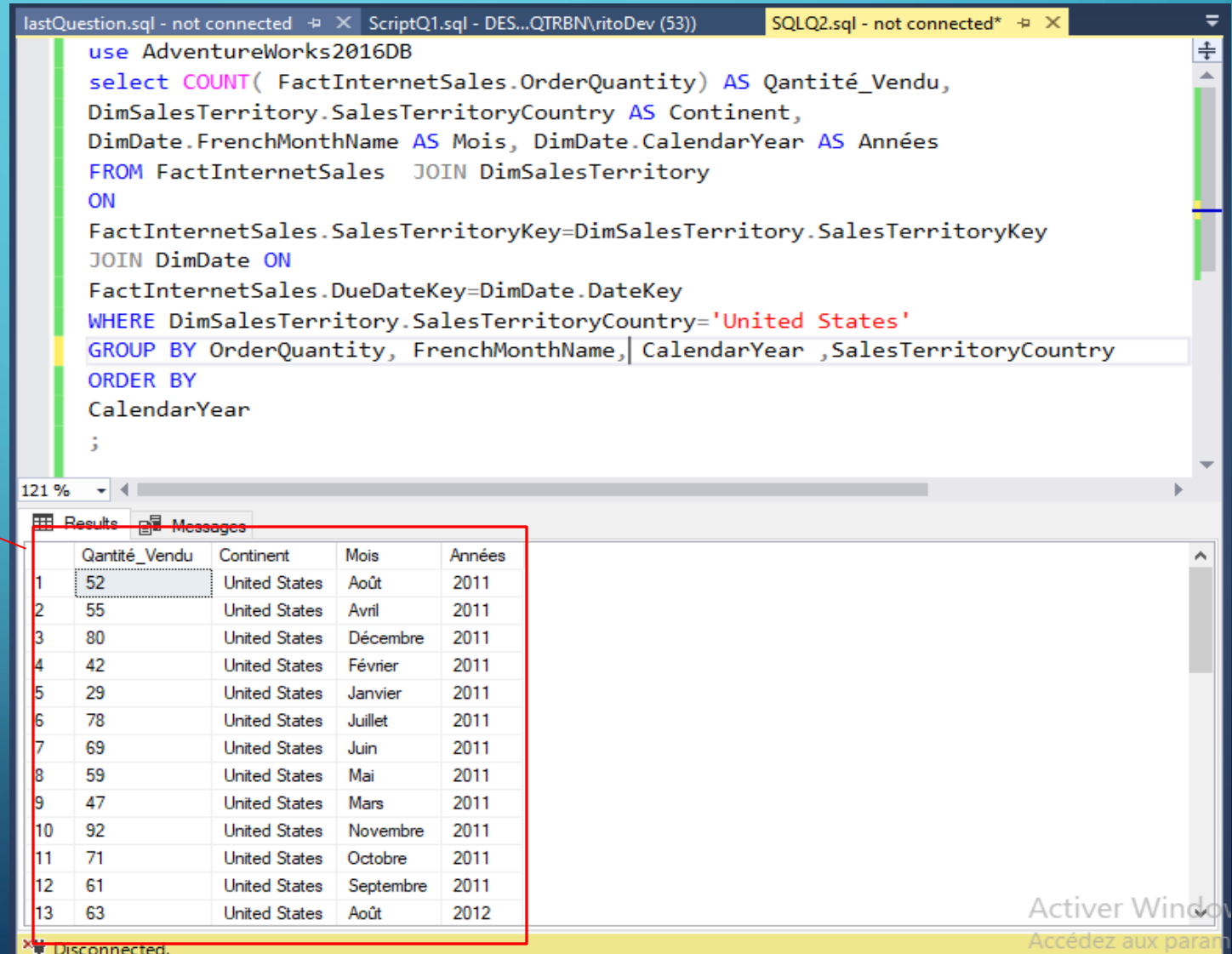
Results Messages

| | Chiffre_D_affaire | Pays | Années |
|----|-------------------|----------------|--------|
| 1 | 2514328.0012 | Australia | 2011 |
| 2 | 555412.9002 | Canada | 2011 |
| 3 | 402811.4078 | France | 2011 |
| 4 | 495818.3842 | Germany | 2011 |
| 5 | 868579.5188 | Northwest | 2011 |
| 6 | 1478988.3656 | Southwest | 2011 |
| 7 | 536550.8068 | United Kingdom | 2011 |
| 8 | 2097172.2705 | Australia | 2012 |
| 9 | 320649.6637 | Canada | 2012 |
| 10 | 2071.4196 | Central | 2012 |
| 11 | 622682.5874 | France | 2012 |
| 12 | 592375.7191 | Germany | 2012 |
| 13 | 2049.0982 | Northeast | 2012 |

✓ Query executed suc... | DESKTOP-10QTRBN\ritoDe... | AdventureWorks2016DB | 00:00:00 | 35 rows

3- REQUETE PERMETTANT D'AFFICHÉ LES QUANTITÉS VENDUES DE TOUS LES PRODUITS AU USA PAR MOIS DE CHAQUE ANNÉE, ANNÉES ET EN TOTALITÉ

Résultats d'affichage
par mois de chaque
années



The screenshot displays a SQL Server Enterprise Manager window with a query editor and a results pane. The query editor shows a SQL query that counts the quantity of products sold in the United States by month and year. The results pane shows a table with 13 rows of data, including the quantity sold, the continent (United States), the month, and the year. A red box highlights the first 13 rows of the results table.

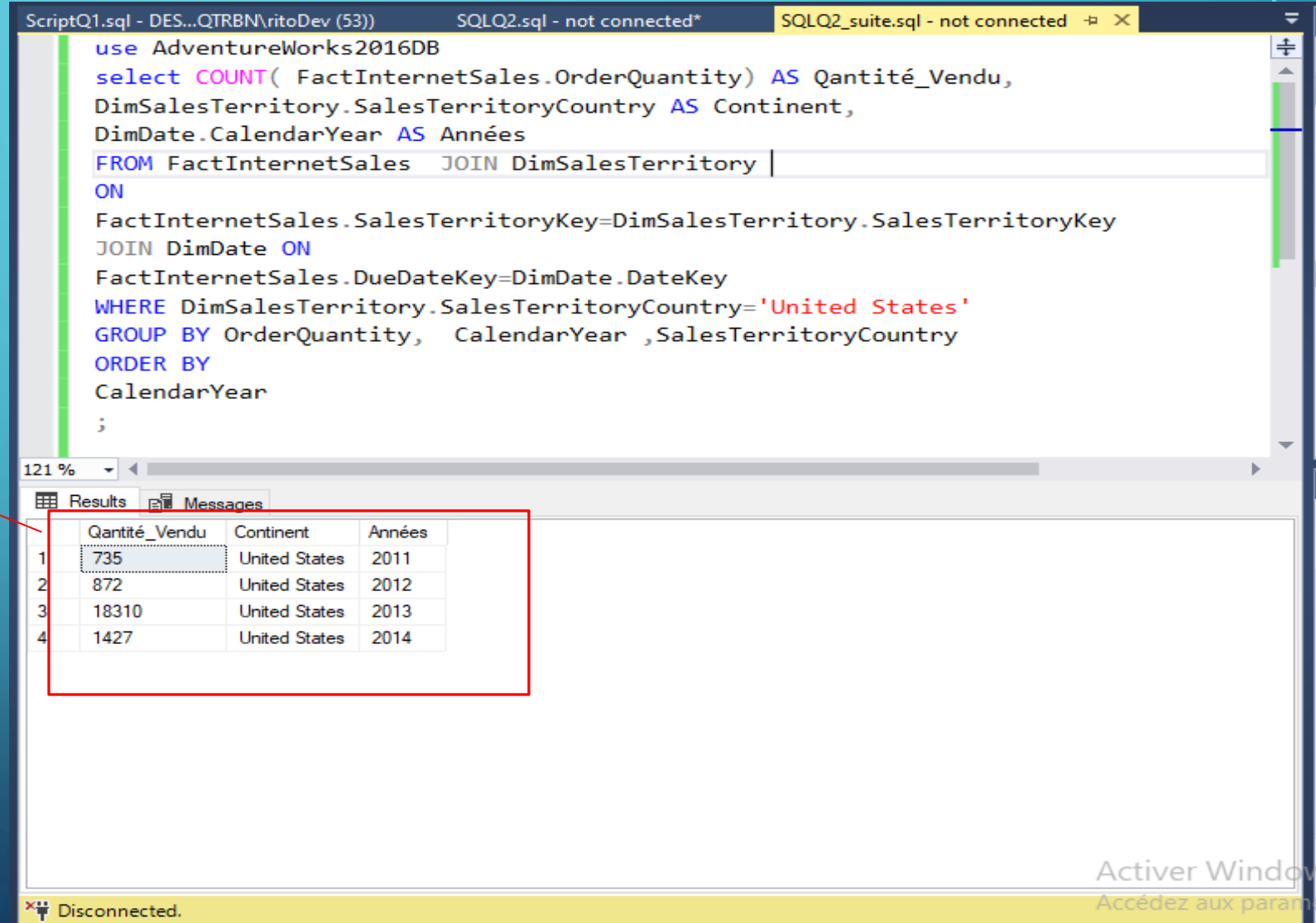
```
use AdventureWorks2016DB
select COUNT( FactInternetSales.OrderQuantity) AS Quantité_Vendu,
DimSalesTerritory.SalesTerritoryCountry AS Continent,
DimDate.FrenchMonthName AS Mois, DimDate.CalendarYear AS Années
FROM FactInternetSales JOIN DimSalesTerritory
ON
FactInternetSales.SalesTerritoryKey=DimSalesTerritory.SalesTerritoryKey
JOIN DimDate ON
FactInternetSales.DueDateKey=DimDate.DateKey
WHERE DimSalesTerritory.SalesTerritoryCountry='United States'
GROUP BY OrderQuantity, FrenchMonthName, CalendarYear ,SalesTerritoryCountry
ORDER BY
CalendarYear
;
```

| | Quantité_Vendu | Continent | Mois | Années |
|----|----------------|---------------|-----------|--------|
| 1 | 52 | United States | Août | 2011 |
| 2 | 55 | United States | Avril | 2011 |
| 3 | 80 | United States | Décembre | 2011 |
| 4 | 42 | United States | Février | 2011 |
| 5 | 29 | United States | Janvier | 2011 |
| 6 | 78 | United States | Juillet | 2011 |
| 7 | 69 | United States | Juin | 2011 |
| 8 | 59 | United States | Mai | 2011 |
| 9 | 47 | United States | Mars | 2011 |
| 10 | 92 | United States | Novembre | 2011 |
| 11 | 71 | United States | Octobre | 2011 |
| 12 | 61 | United States | Septembre | 2011 |
| 13 | 63 | United States | Août | 2012 |

Disconnected.

3- REQUETE PERMETTANT D'AFFICHÉ LES QUANTITÉS VENDUES DE TOUS LES PRODUITS AU USA PAR MOIS DE CHAQUE ANNÉE, ANNÉES ET EN TOTALITÉ

Résultats d'affichage
par années



The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a SQL query script for the AdventureWorks2016 database. The query counts the order quantity by year and continent, specifically for the United States. The bottom pane shows the results of the query, which are displayed in a table with four rows and three columns: Quantity Sold, Continent, and Year. A red box highlights the results table, and a red arrow points from the text 'Résultats d'affichage par années' to it.

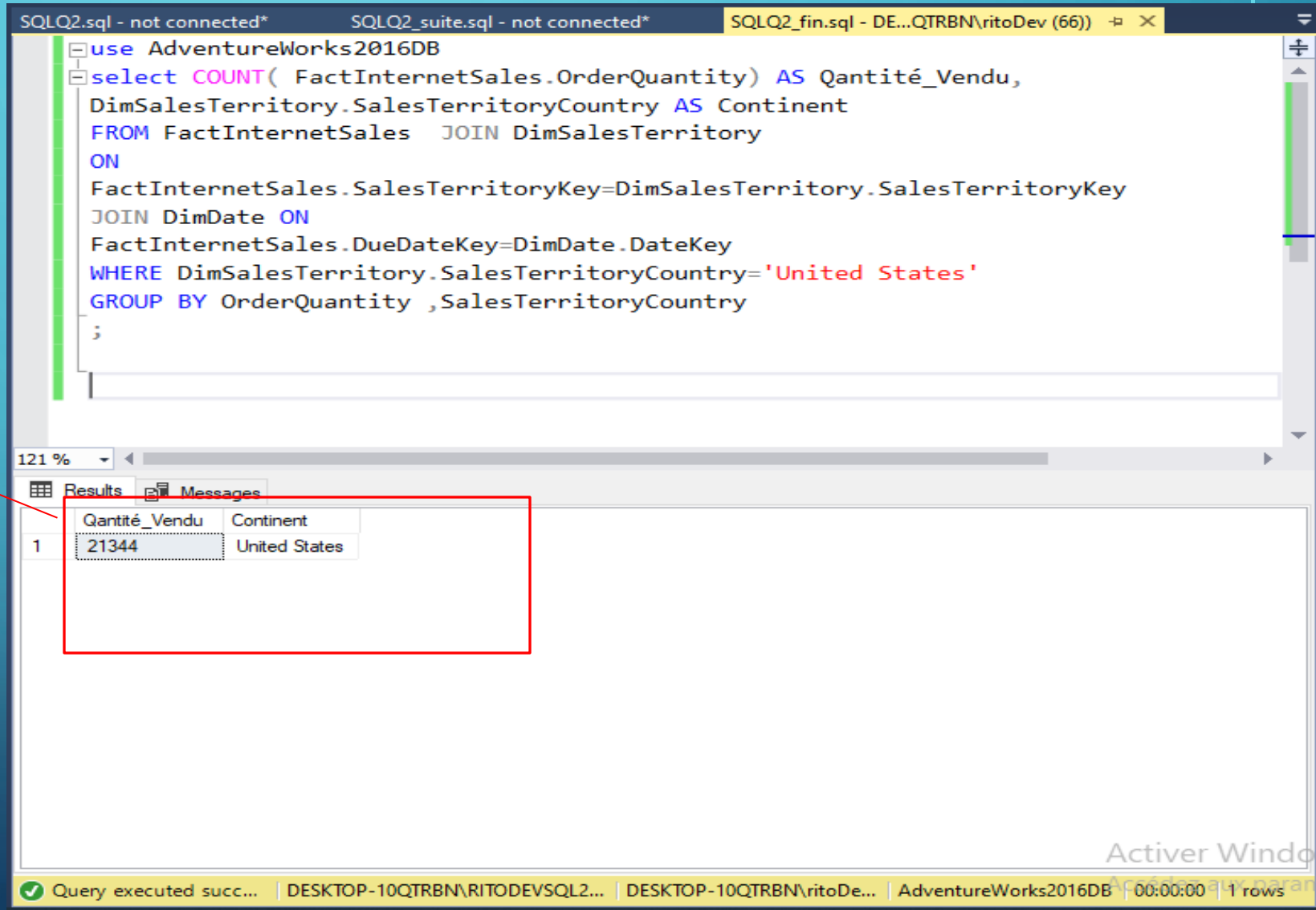
```
use AdventureWorks2016DB
select COUNT( FactInternetSales.OrderQuantity) AS Qantité_Vendu,
DimSalesTerritory.SalesTerritoryCountry AS Continent,
DimDate.CalendarYear AS Années
FROM FactInternetSales JOIN DimSalesTerritory |
ON
FactInternetSales.SalesTerritoryKey=DimSalesTerritory.SalesTerritoryKey
JOIN DimDate ON
FactInternetSales.DueDateKey=DimDate.DateKey
WHERE DimSalesTerritory.SalesTerritoryCountry='United States'
GROUP BY OrderQuantity, CalendarYear ,SalesTerritoryCountry
ORDER BY
CalendarYear
;
```

| | Qantité_Vendu | Continent | Années |
|---|---------------|---------------|--------|
| 1 | 735 | United States | 2011 |
| 2 | 872 | United States | 2012 |
| 3 | 18310 | United States | 2013 |
| 4 | 1427 | United States | 2014 |

Disconnected.

3- REQUETE PERMETTANT D'AFFICHÉ LES QUANTITÉS VENDUES DE TOUS LES PRODUITS AU USA PAR MOIS DE CHAQUE ANNÉE, ANNÉES ET EN TOTALITÉ

Résultats d'affichage en
totalité



The screenshot displays the SQL Server Enterprise Manager interface. The top pane shows a SQL query in the 'SQLQ2_fin.sql' file, which is connected to the 'AdventureWorks2016DB' database. The query is as follows:

```
use AdventureWorks2016DB
select COUNT( FactInternetSales.OrderQuantity) AS Qantité_Vendu,
DimSalesTerritory.SalesTerritoryCountry AS Continent
FROM FactInternetSales JOIN DimSalesTerritory
ON
FactInternetSales.SalesTerritoryKey=DimSalesTerritory.SalesTerritoryKey
JOIN DimDate ON
FactInternetSales.DueDateKey=DimDate.DateKey
WHERE DimSalesTerritory.SalesTerritoryCountry='United States'
GROUP BY OrderQuantity ,SalesTerritoryCountry
;
```

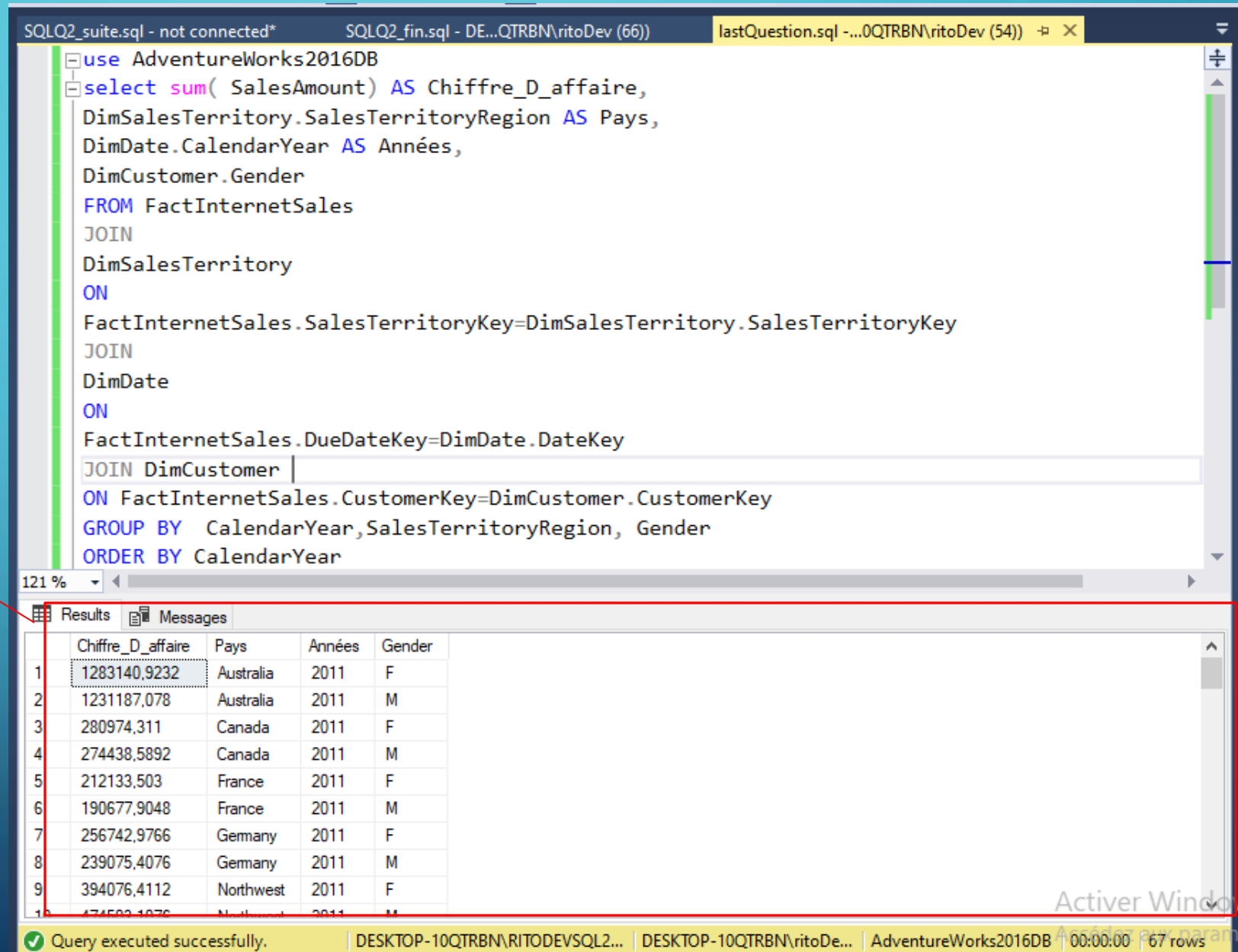
The bottom pane shows the 'Results' tab, which displays the output of the query. A red box highlights the first row of the results, which shows a total quantity of 21344 for the United States.

| | Qantité_Vendu | Continent |
|---|---------------|---------------|
| 1 | 21344 | United States |

The status bar at the bottom indicates that the query was executed successfully and that there is 1 row in the results.

4- CHIFFRE D'AFFAIRE PAR ANNÉE, PAYS ET GENRE DU CLIENT

Résultats



The screenshot displays a SQL Server Enterprise Manager window with a query executed in the 'lastQuestion.sql' file. The query calculates the total sales amount (Chiffre_D_affaire) grouped by year (Années), country (Pays), and customer gender (Gender). The results are shown in a table with 10 rows, where the first row is highlighted. A red line points from the 'Résultats' label to the first row of the results table.

```
use AdventureWorks2016DB
select sum( SalesAmount) AS Chiffre_D_affaire,
DimSalesTerritory.SalesTerritoryRegion AS Pays,
DimDate.CalendarYear AS Années,
DimCustomer.Gender
FROM FactInternetSales
JOIN
DimSalesTerritory
ON
FactInternetSales.SalesTerritoryKey=DimSalesTerritory.SalesTerritoryKey
JOIN
DimDate
ON
FactInternetSales.DueDateKey=DimDate.DateKey
JOIN DimCustomer
ON FactInternetSales.CustomerKey=DimCustomer.CustomerKey
GROUP BY CalendarYear,SalesTerritoryRegion, Gender
ORDER BY CalendarYear
```

| | Chiffre_D_affaire | Pays | Années | Gender |
|----|-------------------|-----------|--------|--------|
| 1 | 1283140,9232 | Australia | 2011 | F |
| 2 | 1231187,078 | Australia | 2011 | M |
| 3 | 280974,311 | Canada | 2011 | F |
| 4 | 274438,5892 | Canada | 2011 | M |
| 5 | 212133,503 | France | 2011 | F |
| 6 | 190677,9048 | France | 2011 | M |
| 7 | 256742,9766 | Germany | 2011 | F |
| 8 | 239075,4076 | Germany | 2011 | M |
| 9 | 394076,4112 | Northwest | 2011 | F |
| 10 | 474593,1876 | Northwest | 2011 | M |

Query executed successfully. | DESKTOP-10QTRBN\RITODEVSQL2... | DESKTOP-10QTRBN\ritoDe... | AdventureWorks2016DB | 00:00:00 | 67 rows