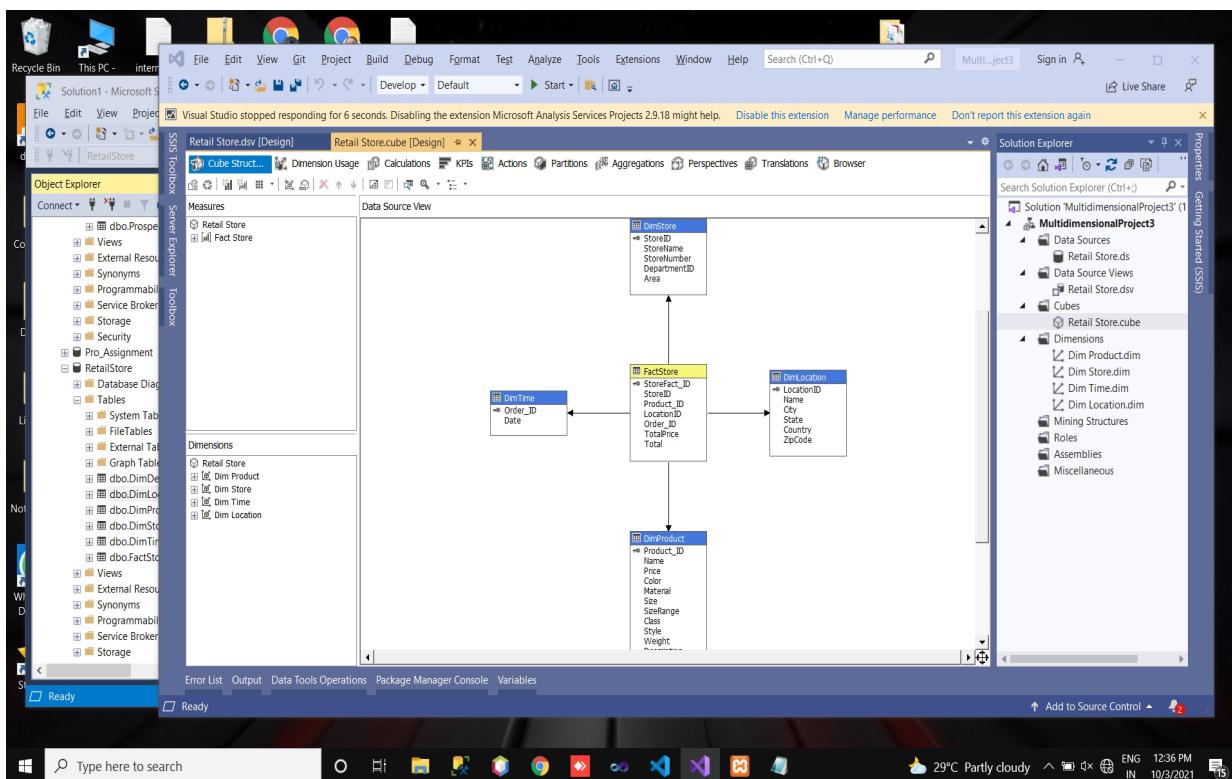
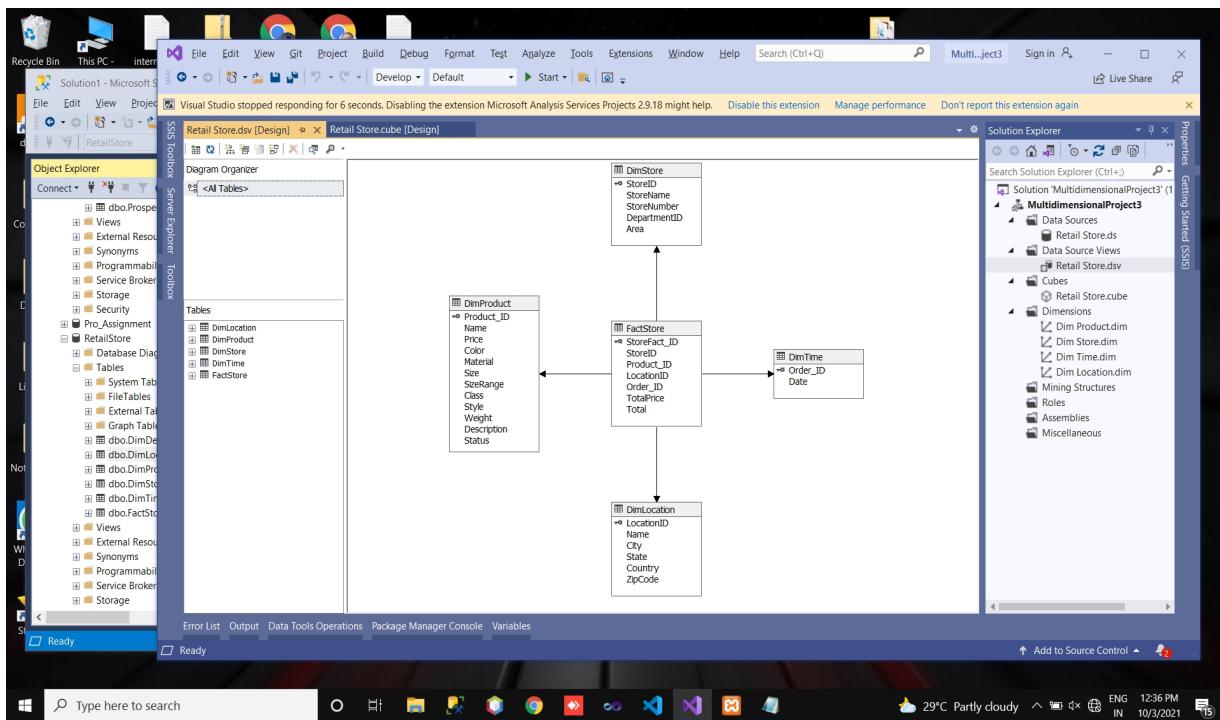
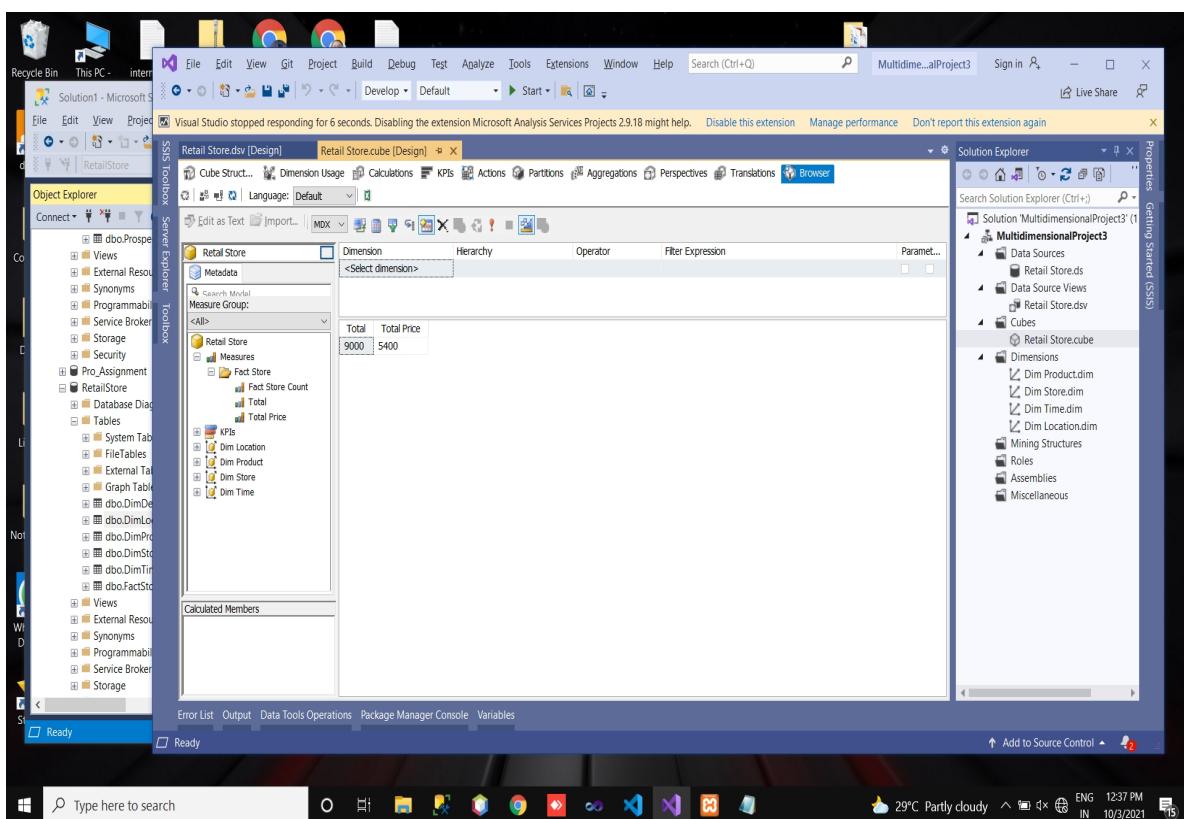
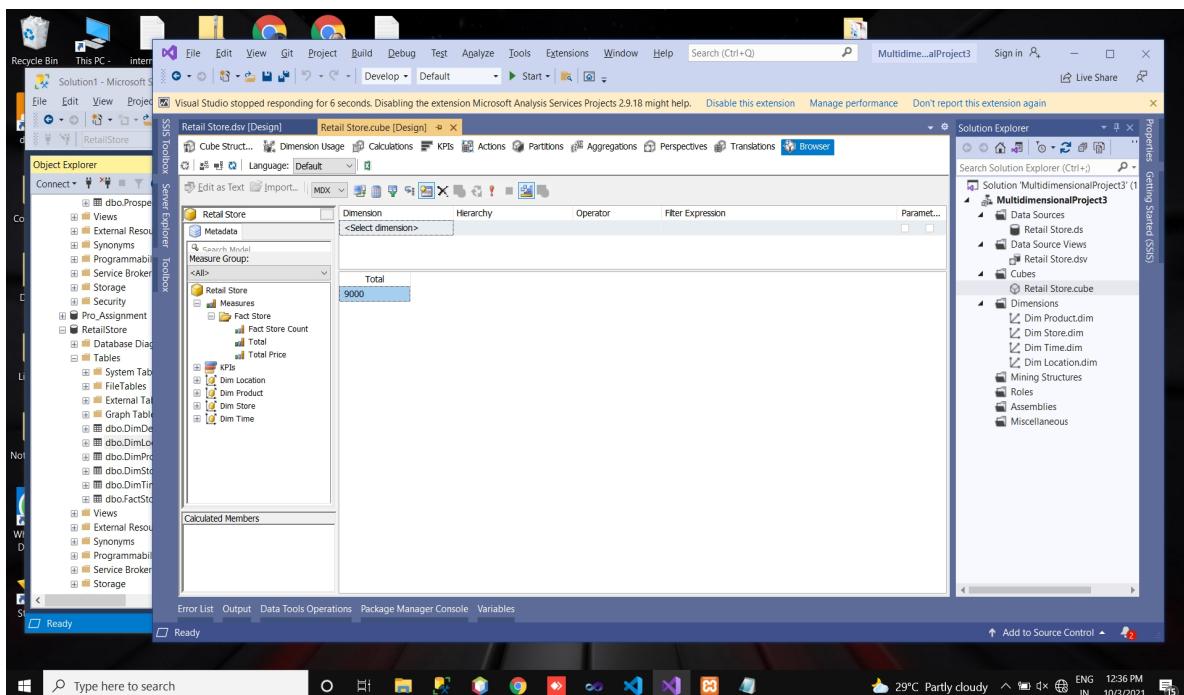
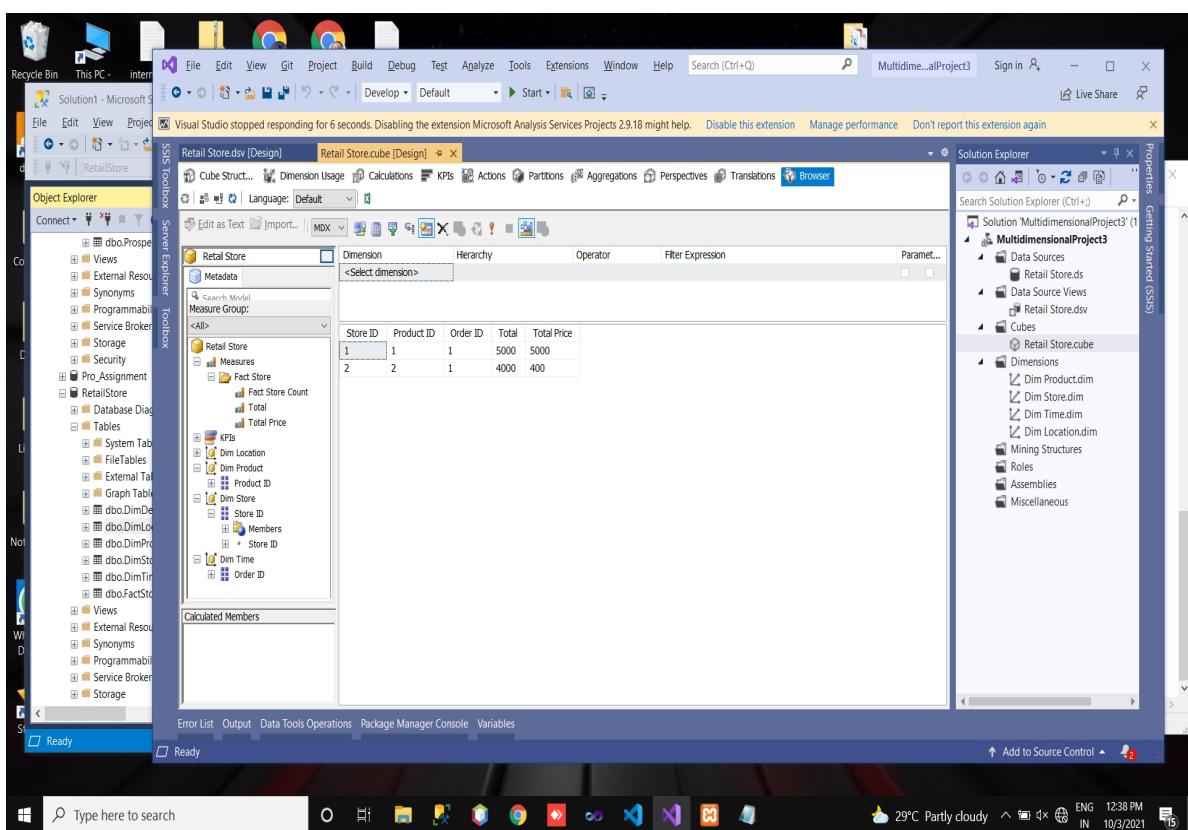
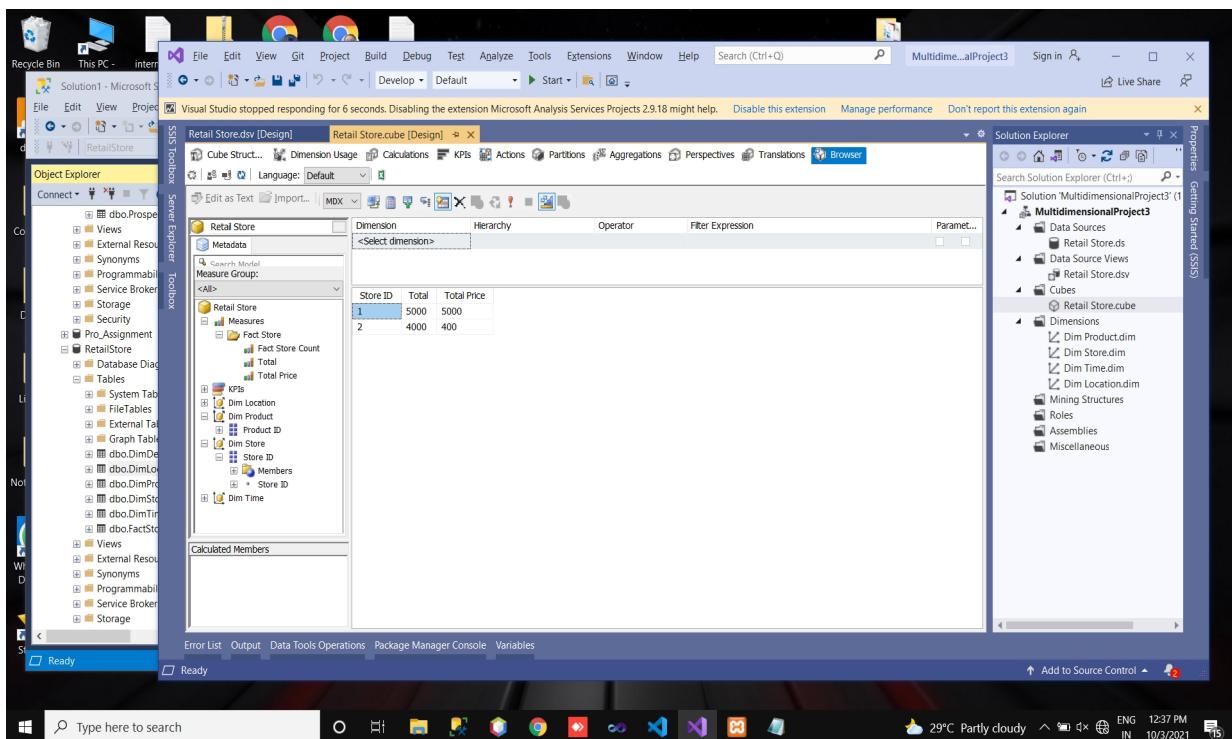
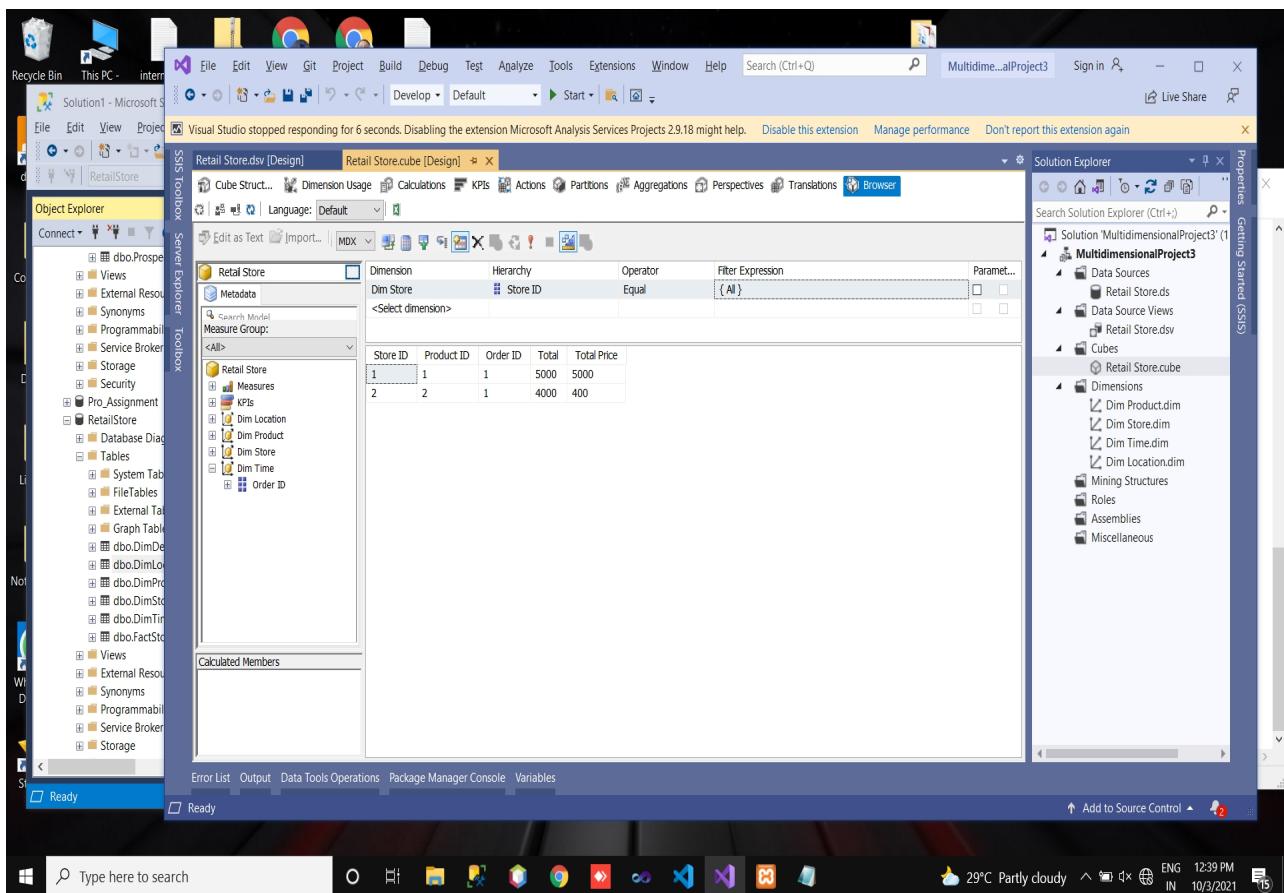
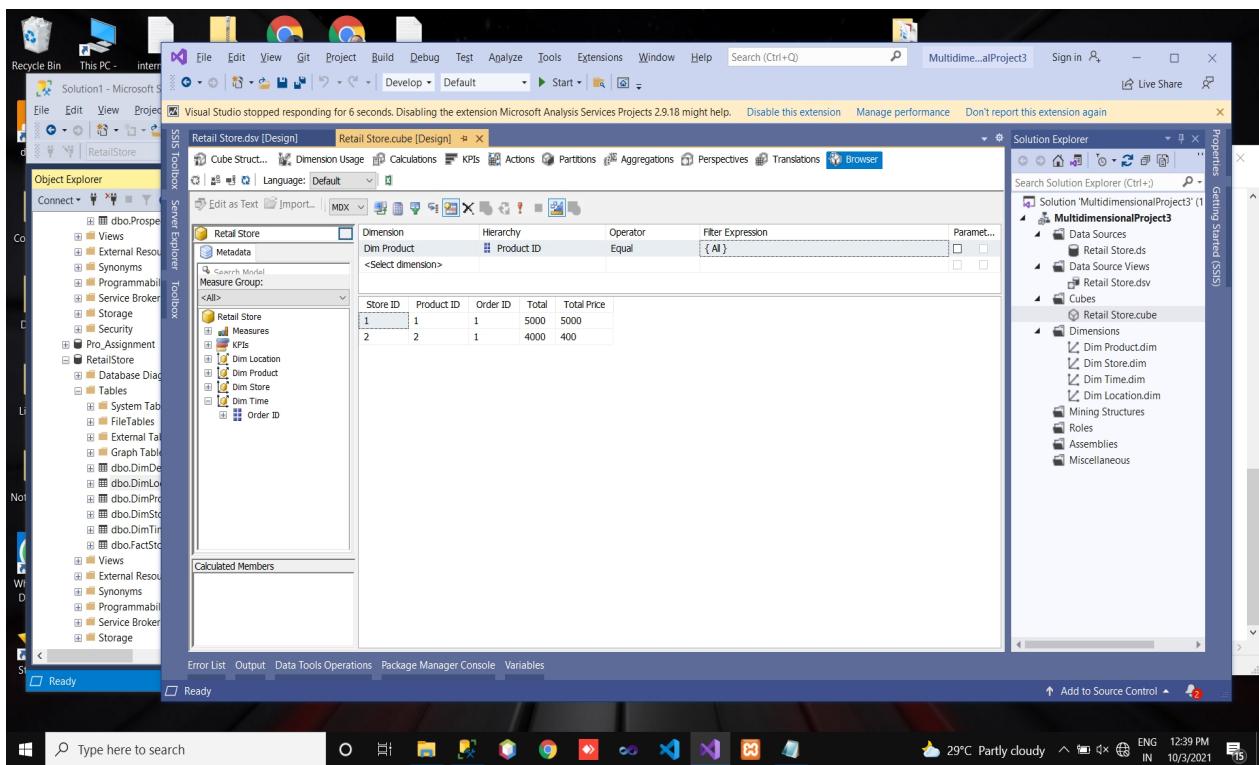


Question : 1 Retail Store



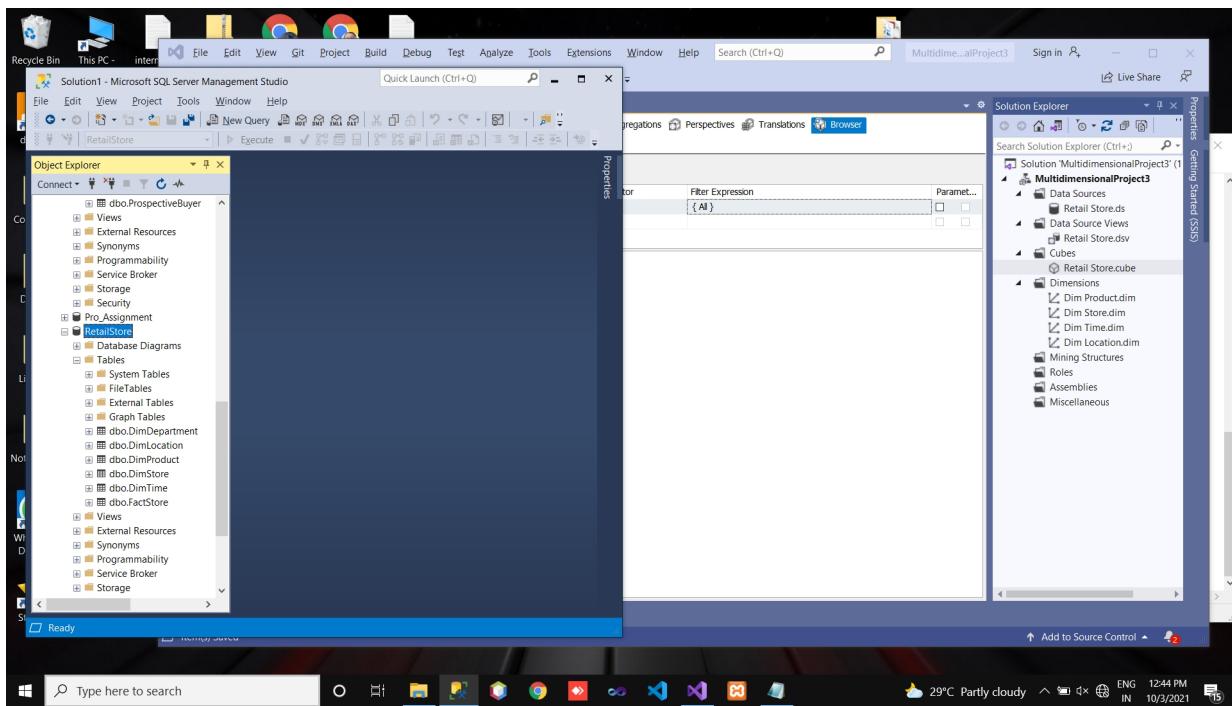




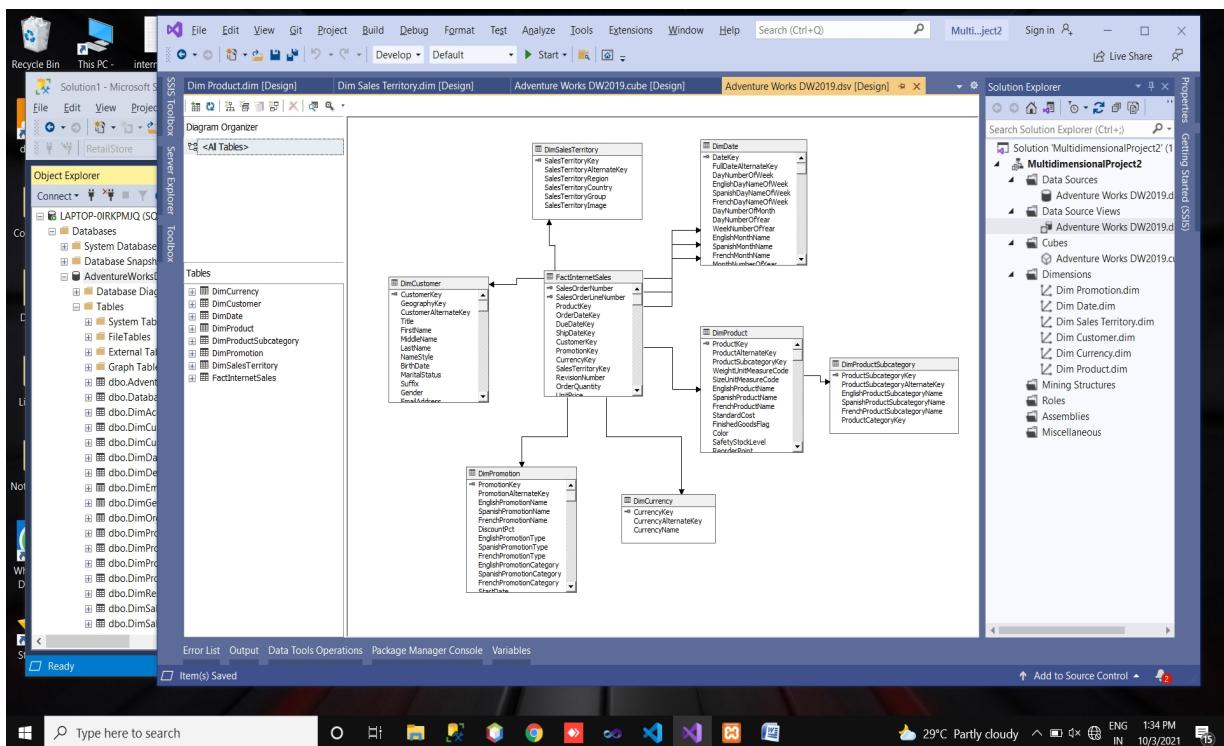


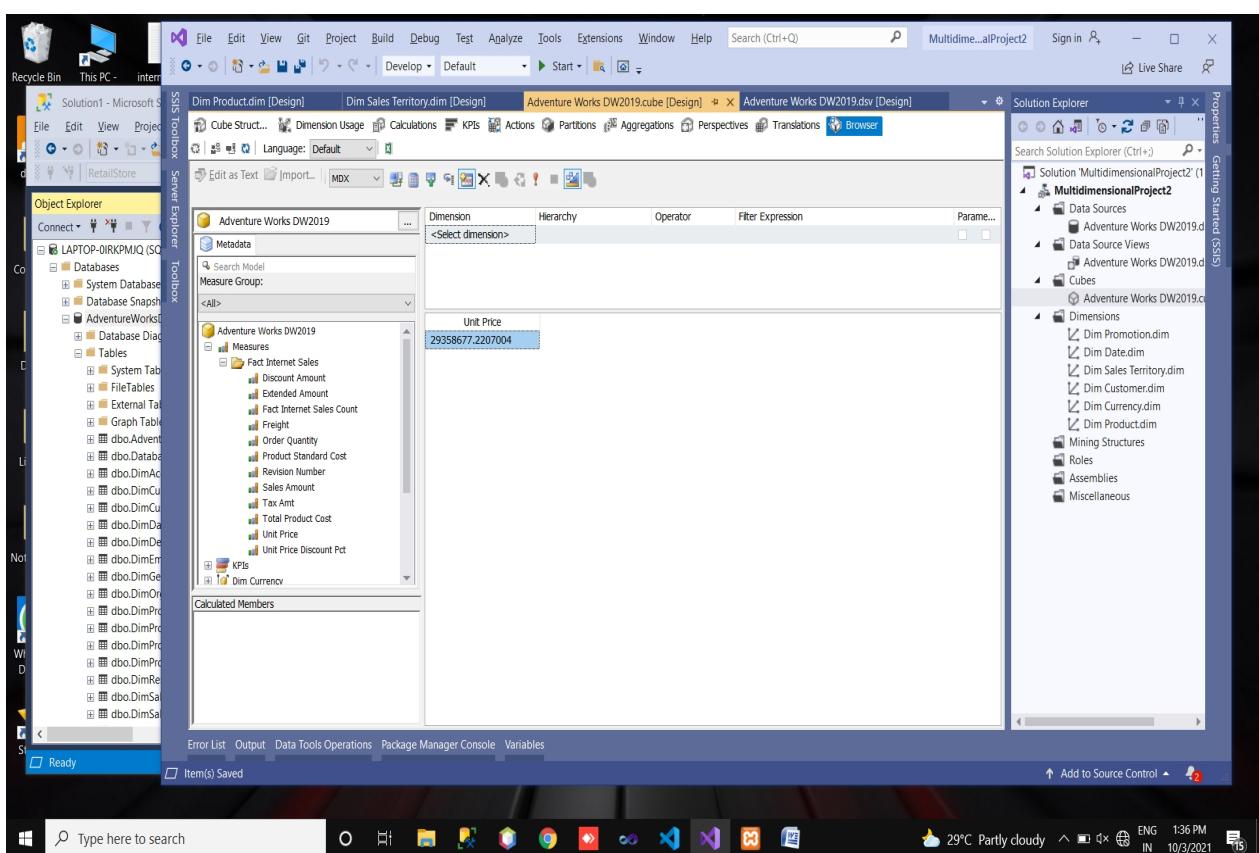
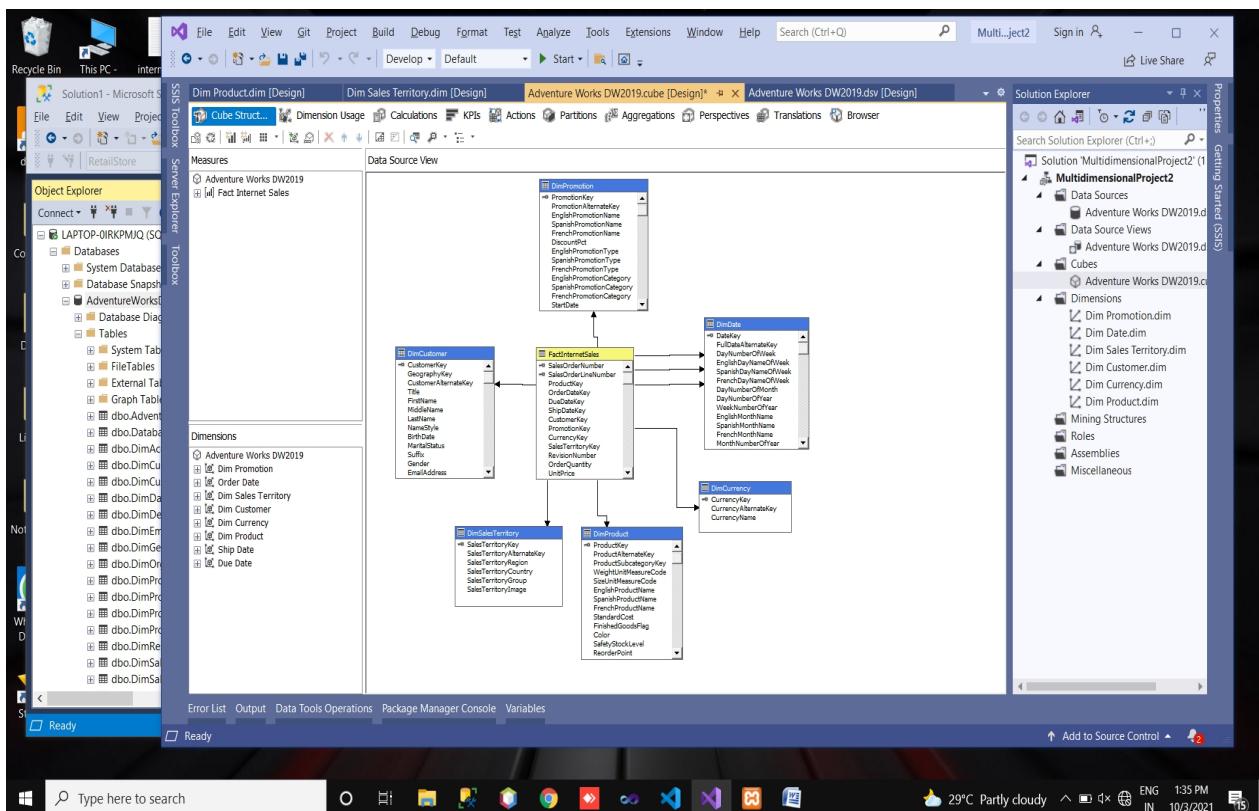
This screenshot shows the Microsoft Visual Studio interface for developing Microsoft Analysis Services Projects. The main window displays the 'Retail Store.cube [Design]' tab, which includes a 'Cube Structure' pane, a 'Calculated Members' pane, and a 'Properties' pane. The 'Solution Explorer' on the right shows a project named 'MultidimensionalProject3' containing a cube named 'Retail Store.cube' and various dimensions like 'Dim Product', 'Dim Store', and 'Dim Time'. The taskbar at the bottom indicates the system is running at 29°C, is partly cloudy, and the date is 10/3/2021.

This screenshot shows Microsoft Excel with a PivotTable named 'PivotTable1' displayed on the worksheet. The PivotTable shows a summary of data with rows for 'Grand Total', '2', and '1', and columns for 'Total' and 'Grand Total'. The PivotTable Tools ribbon tab is selected. The 'PivotTable Field List' pane on the right lists fields from four dimensions: Dim Location (Location ID), Dim Product (Product ID), Dim Store (Store ID), and Dim Time (Order ID). The taskbar at the bottom indicates the system is running at 29°C, is partly cloudy, and the date is 10/3/2021.



Question : 2 Adventure Works



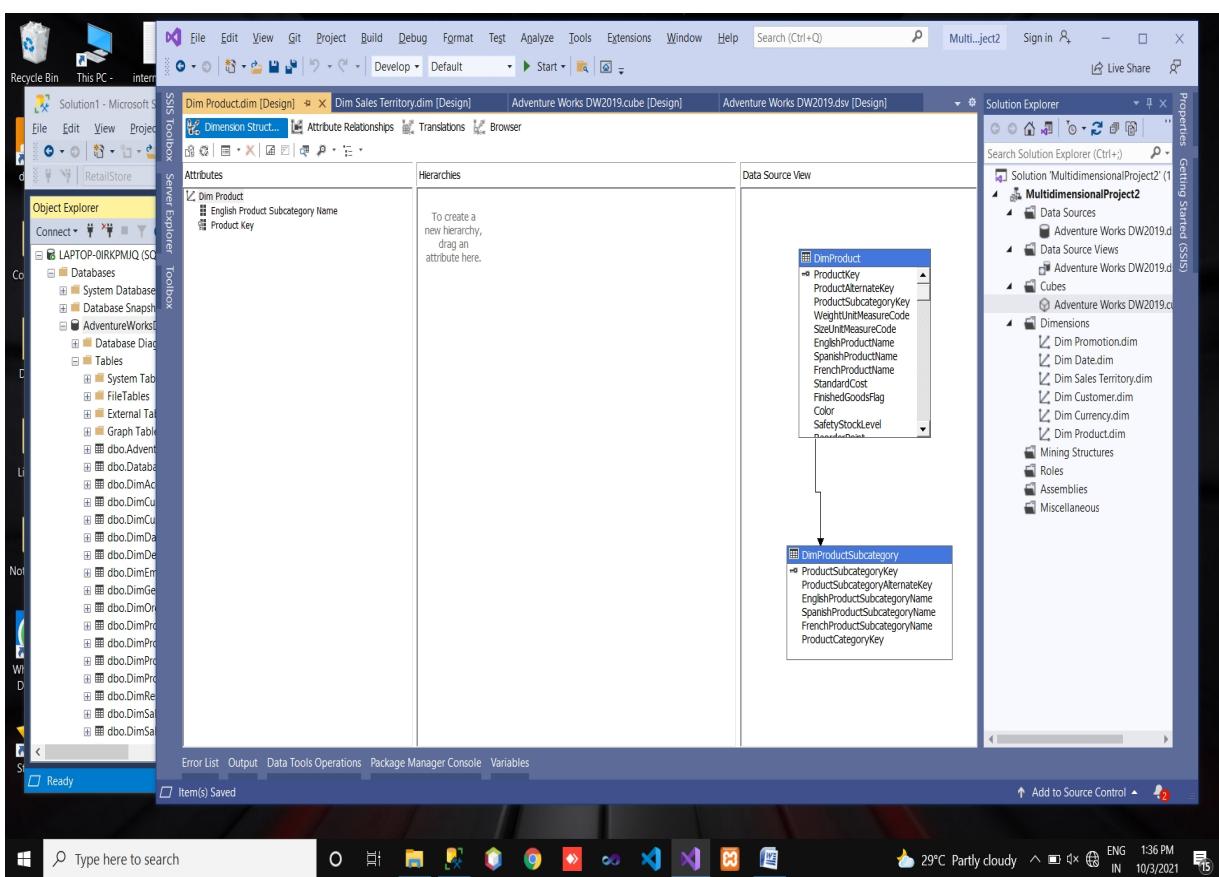
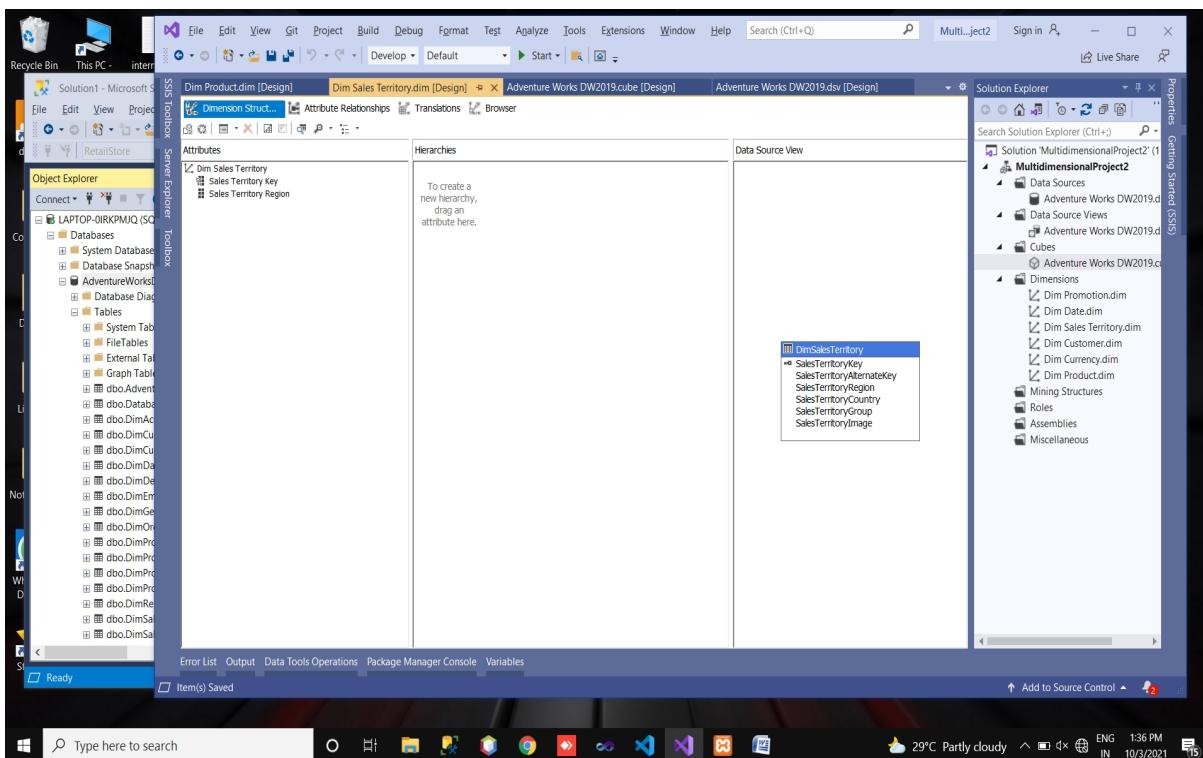


The screenshot shows the Microsoft SQL Server Data Tools (SSDT) interface. The main window displays the 'Adventure Works DW2019.cube [Design]' tab. In the center, there is a 'Calculated Members' grid with the following data:

Product Key	Unit Price
214	78027.7...
217	72954.1...
222	74353.7...
225	19688.1...
228	21445.7...
231	22095.5...
234	22595.4...
237	20645.8...
310	120229...
311	100549...
312	120587...
313	108063...
314	105558...
320	13282.8...
321	43064.45
322	11884.6...
323	28187.64
324	11185.5...
325	46196.41
326	15380.1...
327	39149.5
328	18176.5...

The screenshot shows the Microsoft SQL Server Data Tools (SSDT) interface. The main window displays the 'Adventure Works DW2019.cube [Design]' tab. In the center, there is a 'Calculated Members' grid with the following data:

Product Key	Sales Territory Key	Unit Price
214	1	10147.1
214	2	34.99
214	4	15045.6...
214	5	69.98
214	6	9622.24...
214	7	8537.55...
214	8	8782.48...
214	9	15675.5...
214	10	10112.11
217	1	10776.9...
217	2	69.98
217	4	14800.7...
217	5	34.99
217	6	9517.27...
217	7	6997.99...
217	8	7662.80...
217	9	14415.8...
217	10	8677.51...
222	1	12246.4...
222	2	34.99
222	3	69.98
222	4	13401.1...



The screenshot shows the Microsoft SQL Server Data Tools (SSDT) interface. The main window displays the MDX Editor for the Adventure Works DW2019.cube [Design]. The left pane shows the Object Explorer with the Adventure Works DW2019 database selected. The right pane shows the Solution Explorer with the MultidimensionalProject2 project. A central dialog box is open, titled 'Filter Expression', showing a dropdown menu for selecting a dimension and a table view of sales territory data.

Filter Expression

Product Key	Sales Territory Key	Unit Price
214	1	10147.1
214	2	34.99
214	4	15045.6...
214	5	69.98
214	6	9622.24...
214	7	8537.55...
214	8	8782.48...
214	9	15675.5...
214	10	10112.11
217	1	10776.9...
217	2	69.98
217	4	14800.7...
217	5	34.99
217	6	9517.27...
217	7	6997.99...
217	8	7662.80...
217	9	14415.8...
217	10	8677.51...
222	1	12246.4...
222	2	34.99
222	3	69.98
222	4	13401.1...

The screenshot shows the Microsoft SQL Server Data Tools (SSDT) interface. The main window displays the MDX Editor for the Adventure Works DW2019.cube [Design]. The left pane shows the Object Explorer with the Adventure Works DW2019 database selected. The right pane shows the Solution Explorer with the MultidimensionalProject2 project. A central dialog box is open, titled 'Filter Expression', showing a dropdown menu for selecting a dimension and a table view of sales territory data.

Filter Expression

Product Key	Sales Territory Key	Unit Price
214	4	15045.6...
217	4	14800.7...
222	4	13401.1...
225	4	3595.99...
228	4	4649.06...
231	4	4449.10...
234	4	5648.86...
237	4	4499.09...
310	4	275526...
311	4	229009...
312	4	311309...
313	4	254057...
314	4	214696.2
320	4	1398.19...
321	4	8612.89
322	4	699.0982
323	4	5480.93
324	4	2796.39...
325	4	10961.86
326	4	3495.491
327	4	7046.91
328	4	2796.39...

A screenshot of a Windows desktop. In the foreground, a Microsoft Word document titled "15_Hardavi Rajaguru - Microsoft Word" is open, showing a blank page with a dark blue header bar. The Word ribbon is visible at the top. In the background, a Microsoft SQL Server Management Studio window titled "Solution1 - Microsoft Server Management Studio" is open, showing the "Object Explorer" pane which lists various database objects like Database Snapshots, AdventureWorksDW2019, Database Diagrams, Tables, System Tables, FileTables, External Tables, Graph Tables, and numerous system and user tables from the AdventureWorksDW database. The taskbar at the bottom shows several pinned icons and the current date and time as 10/3/2021.

A screenshot of a Windows desktop showing a Microsoft Excel spreadsheet titled "Cube-2 - Microsoft Excel". The spreadsheet contains a PivotTable with data for "Sales Amount" by "Row Labels" (Category). The data includes items like Bike Racks, Bike Stands, Bottles and Cages, Caps, Cleaners, Fenders, Gloves, Helmets, Hydration Packs, Jerseys, Mountain Bikes, Road Bikes, Shorts, Socks, Tires and Tubes, Touring Bikes, and Vests, along with their respective sales amounts. A "Grand Total" row shows a value of 197784.862. The Excel ribbon is visible at the top, and the taskbar at the bottom shows pinned icons and the current date and time as 10/3/2021.

Row Labels	Sales Amount
Canada	197784.862
Bike Racks	7080
Bike Stands	5088
Bottles and Cages	7683.16
Caps	2175.58
Cleaners	1160.7
Fenders	8792
Gloves	6098.01
Helmets	28096.97
Hydration Packs	6158.88
Jerseys	21877.75
Mountain Bikes	615440.4044
Road Bikes	935616.2877
Shorts	16307.67
Socks	800.11
Tires and Tubes	39318.14
Touring Bikes	270245.7
Vests	5905.5
Grand Total	197784.862

Cube-2 - Microsoft Excel

PivotTable Tools

Home Insert Page Layout Formulas Data Review View Load Test Team Options Design

A3 Sales Amount

Sales Amount Column Labels

Row Labels Bike Racks Bike Stands Bottles and Cages Caps Cleaners Fenders Gloves Helmets Hydration Packs Jerseys Mountain Bikes Road Bikes Shorts Socks Tires

Canada 7080 5088 7683.16 2175.58 1160.7 8792 6098.01 28096.97 6158.88 21877.75 615440.4044 935616.2877 16307.67 800.11

Grand Total 7080 5088 7683.16 2175.58 1160.7 8792 6098.01 28096.97 6158.88 21877.75 615440.4044 935616.2877 16307.67 800.11

PivotTable Field List

Choose fields to add to report:

- Σ Fact Internet Sales
 - Discount Amount
 - Extended Amount
 - Fact Internet Sales Count
 - Freight
 - Order Quantity
 - Product Standard Cost
 - Revision Number
 - Sales Amount
 - Tax Amt

Drag fields between areas below:

Report Filter Column Labels English Pr...
Row Labels Values Sales Terr... Sales Amo...
Defer Layout Upd... Update

tmpD060

Ready

28 items

Type here to search

29°C Partly cloudy ENG IN 10/3/2021 1:39 PM

Cube-2 - Microsoft Excel

PivotTable Tools

Home Insert Page Layout Formulas Data Review View Load Test Team Options Design

A3 Sales Amount

Sales Amount Column Labels

Row Labels Canada Grand Total

Bike Racks 7080 7080

Bike Stands 5088 5088

Bottles and Cages 7683.16 7683.16

Caps 2175.58 2175.58

Cleaners 1160.7 1160.7

Fenders 8792 8792

Gloves 6098.01 6098.01

Helmets 28096.97 28096.97

Hydration Packs 6158.88 6158.88

Jerseys 21877.75 21877.75

Mountain Bikes 615440.4044 615440.4044

Road Bikes 935616.2877 935616.2877

Shorts 16307.67 16307.67

Socks 800.11 800.11

Tires and Tubes 39318.14 39318.14

Touring Bikes 270245.7 270245.7

Vests 5905.5 5905.5

Grand Total 1977844.862 1977844.862

PivotTable Field List

Choose fields to add to report:

- Σ Fact Internet Sales
 - Discount Amount
 - Extended Amount
 - Fact Internet Sales Count
 - Freight
 - Order Quantity
 - Product Standard Cost
 - Revision Number
 - Sales Amount
 - Tax Amt

Drag fields between areas below:

Report Filter Column Labels Sales Terr...
Row Labels Values English Pr... Sales Amo...
Defer Layout Upd... Update

tmpD060

Ready

28 items

Type here to search

29°C Partly cloudy ENG IN 10/3/2021 1:39 PM