

Name: Arsh Raj

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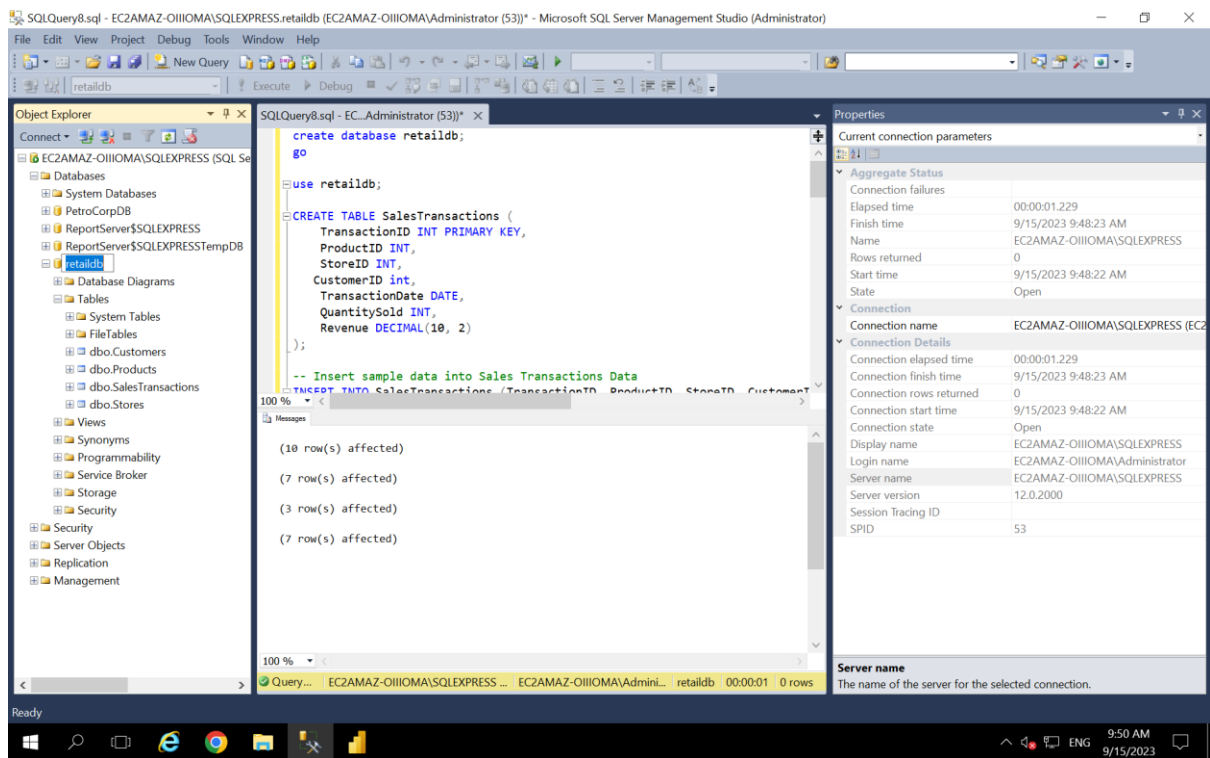
Email: Arsh.Raj@shell.com

Batch: Shell7-SK-23-B4

Reg ID: SH7B23110

Requirement 1: Data Loading

Creating Database and Tables in SQL Server



#Data Loading in PowerBI

Untitled - Power BI Desktop

File Home Help **Table tools**

Name Customers

Mark as date table Calendars

Manage relationships Relationships

New measure Quick measure New table New table

Structure

Auto recovery contains some recovered files that haven't been opened. View recovered files

Fields

Customers

CustomerID

CustomerName

Email

Phone

Products

SalesTransactions

Stores

CustomerID	CustomerName	Email	Phone
101	Customer A	customerA@email.com	(123) 456-7890
102	Customer B	customerB@email.com	(234) 567-8901
103	Customer C	customerC@email.com	(345) 678-9012
104	Customer D	customerD@email.com	(456) 789-0123
105	Customer E	customerE@email.com	(567) 890-1234
106	Customer F	customerF@email.com	(678) 901-2345
107	Customer G	customerG@email.com	(789) 012-3456

Table: Customers (7 rows)

Update available (click to download)

9:36 AM 9/15/2023

Requirement 2: Data Transformation

Requirement 3: Data Modelling

Creating Hierarchy: Category -> ProductName

Retail Report - Power BI Desktop

File Home Help **Table tools**

Clipboard

Get data Excel Data SQL Enter data Datasource Recent sources

Transform Refresh data

Manage relationships Relationships

New measure Quick measure New table New table

Manage roles View as Sensitivity Publish

Auto recovery contains some recovered files that haven't been opened. View recovered files

Fields

Customers

Products

Category

Category Hierarchy

Category

ProductID

ProductName

Price

SalesTransactions

Stores

ProductID	ProductName	Category	Price
101	Laptop XYZ	Electronics	800
102	T-Shirt Blue	Clothing	15
103	Smartphone ABC	Electronics	400
104	Sofa Set	Furniture	1200
105	Tablet PQR	Electronics	300
106	Jeans Black	Clothing	40
107	Chair	Furniture	80

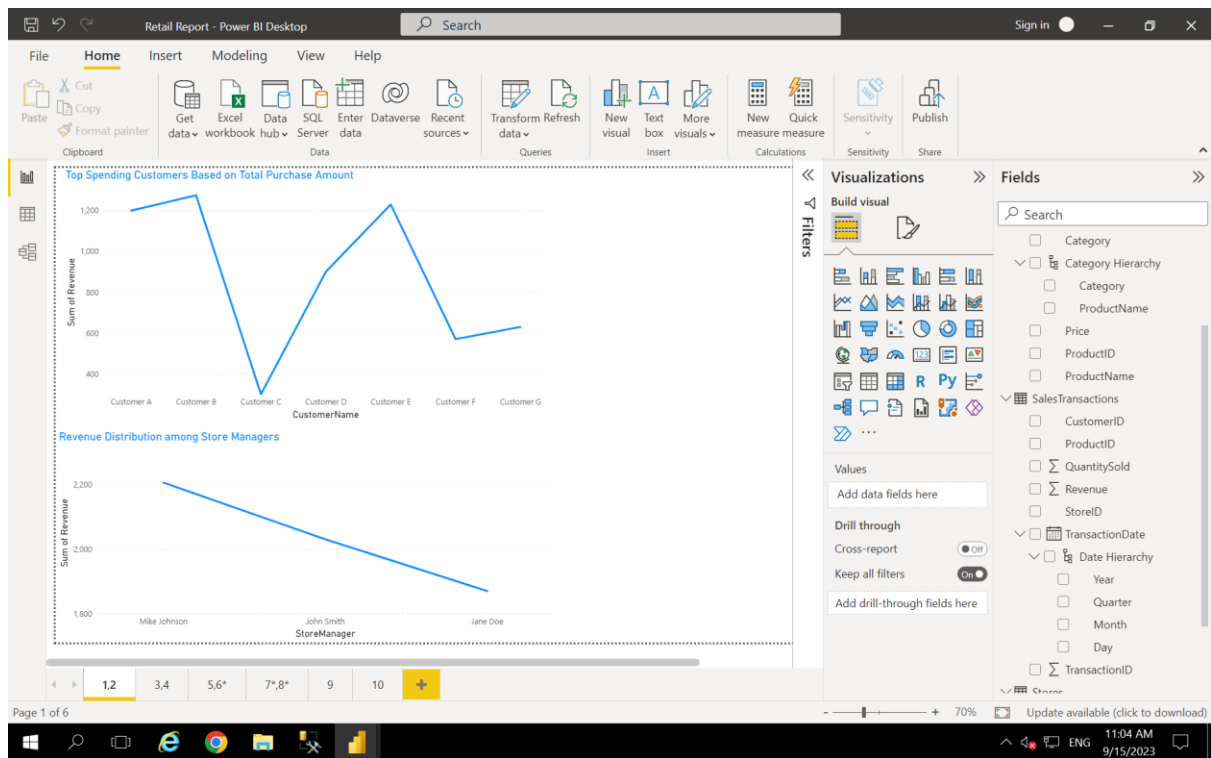
Table: Products (7 rows)

Update available (click to download)

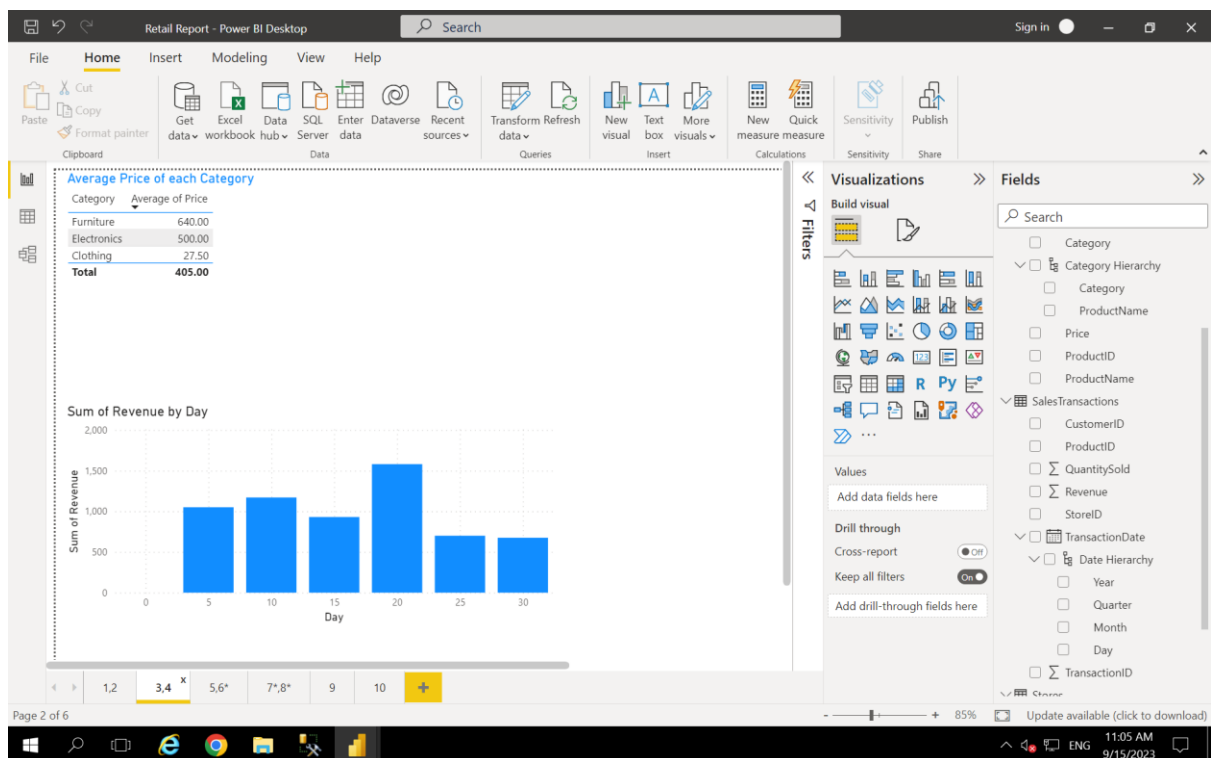
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Requirement 4:

1,2



3,4



5,6

Sales of Category - Monthly Basis

Category	Sum of Revenue
Clothing	1,845.00
January	600.00
May	675.00
July	570.00
Electronics	2,730.00
January	500.00
February	300.00
April	700.00
June	550.00
September	680.00
Furniture	1,530.00
March	900.00
August	630.00
Total	6,105.00

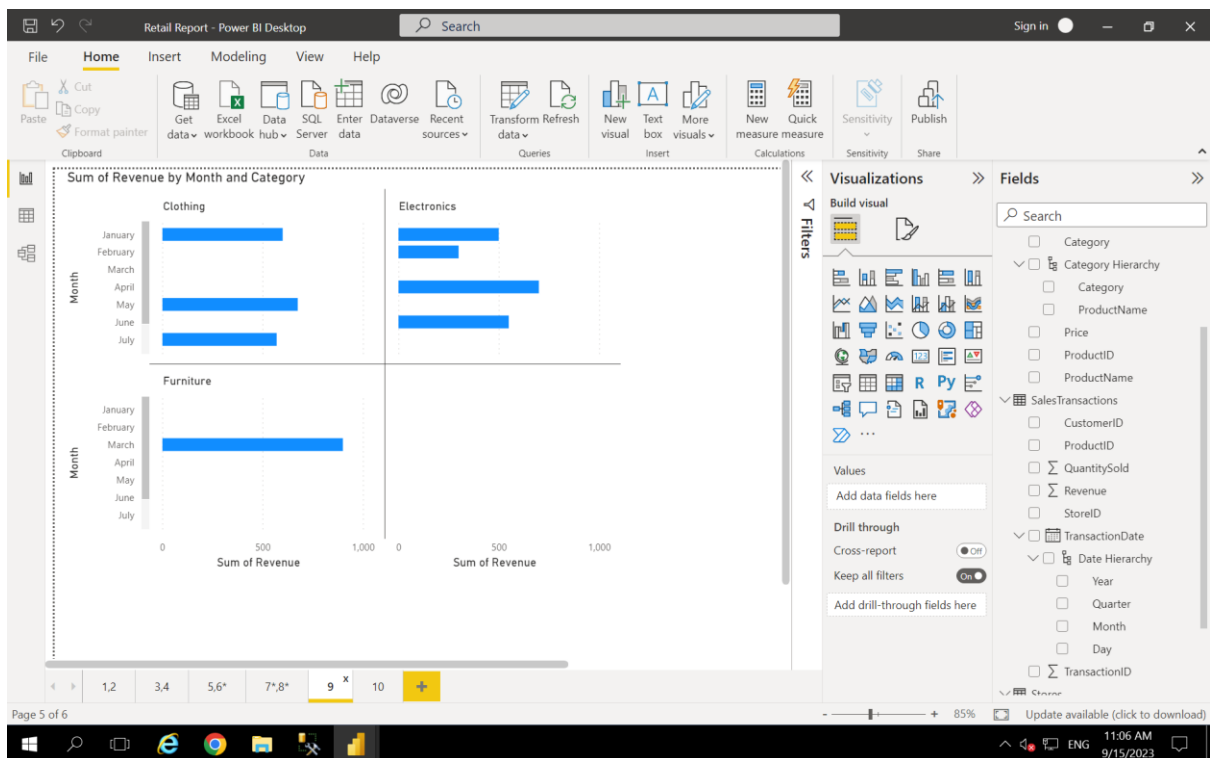
ProductName	%GT Sum of Revenue
Chair	10.32%
Jeans Black	9.34%
Laptop XYZ	19.66%
Smartphone ABC	4.91%
Sofa Set	14.74%
Tablet POR	20.15%
T-Shirt Blue	20.88%
Total	100.00%

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Best Category in each store location

Location	Clothing	Electronics	Furniture	Total
Chicago	675.00	900.00		900.00
Los Angeles	600.00	700.00		700.00
New York		680.00		680.00
Total	675.00	700.00	900.00	900.00

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