The AdventureWorks sales excel workbook captures all the details of a fictitious, multinational manufacturing company called Adventure Works Cycles, including the details of customers, products, sales, territory etc. Load, transform and build a visualization report from the following pointers.

Sl.No	Table Name
1	Customer
2	Name
3	Product
4	Reseller
5	Sales
6	SalesOrder
7	SalesTerritory

Data transformation, using Power query editor:

1. Load AdventureWorks Sales data in Power BI Desktop. Do not select the sheets (labeled _data).
2. Check the data type of all columns and do a column profiling [Hint: Power Query editor ->View->Check Column profile, colum quality, column distribution]
3. Extract Month Name, Month No, Day Name and Year from Date Column
4. Create a new column ' Category- Subcategory' by merging the respective columns in the Product table, using hyphen (-) as separator
5. Separate Customers first name and last name using customer column from Customer table
6. Create a new table "category wise sales' with Product Category(Grouped)and sum of Total sales. Identify the two tables that are to be joined and the common column. Which Join kind is most suitable in this scenario?
7. Round the Sales Amount to appropriate decimals
8. Check the query performance using power query diagnostics and comment on it [Hint: Power Query Editor ->Tools ->Start Diagnostics-Stop Diagnostics].

9. Now, create a hierarchy in the dashboard by using the given dataset. (Country-region > State-Province > City)

AdventureWorks Sales.xlsx