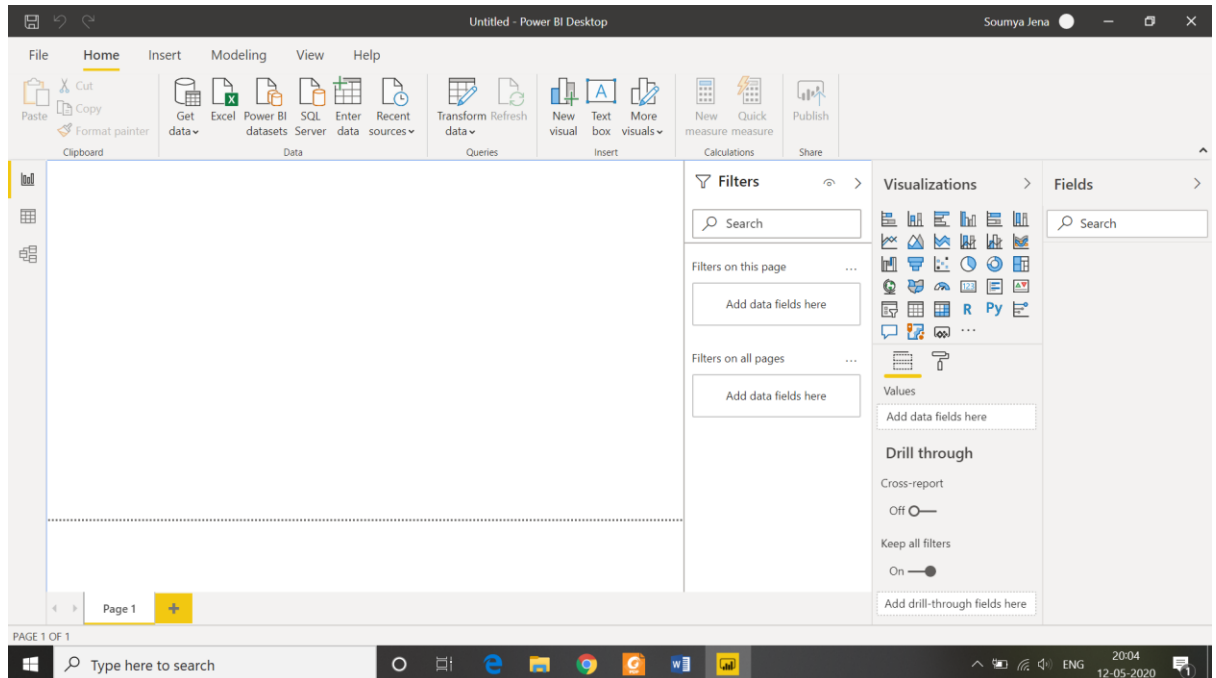


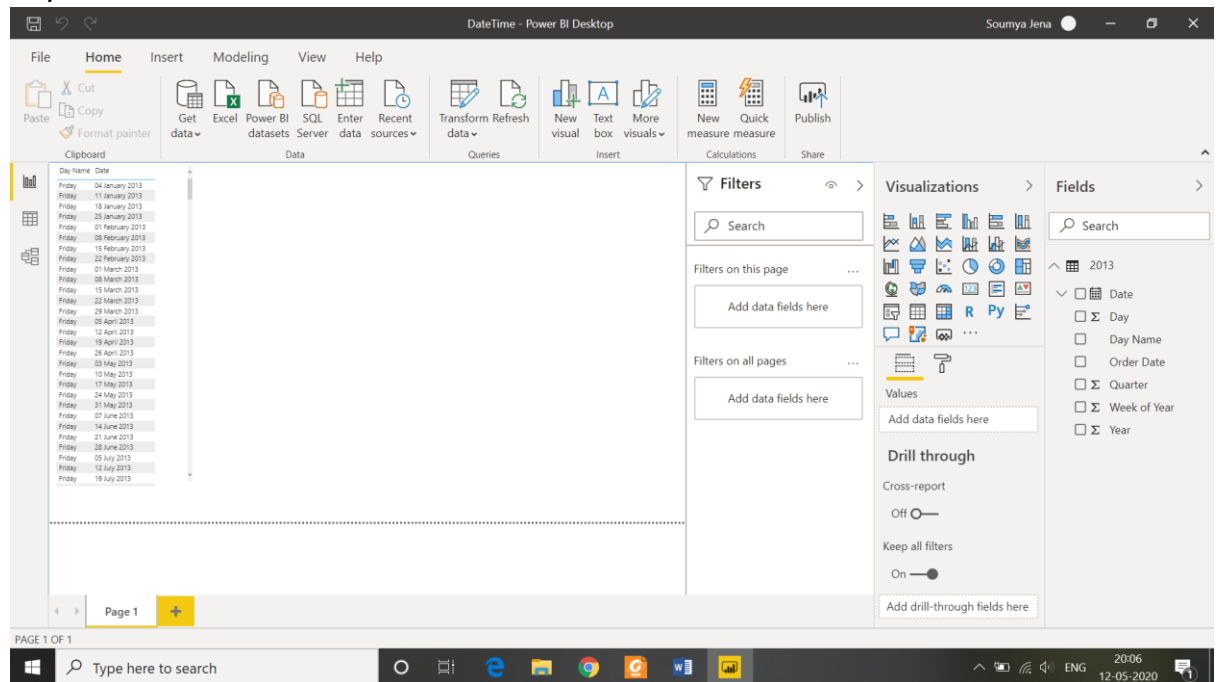
Assignment – 1

- Install Power BI Desktop and share the final screenshot of the report view page which appears when power desktop starts.



- Prepare a document and with the following screenshot

■ Report View



■ Data View

The screenshot shows the Power BI Desktop interface in Data View. The main area displays a table with columns: Order Date, Date, Year, Quarter, Week of Year, Day, and Day Name. The table contains 3,054 rows of data for the year 2013. The right-hand pane shows the Fields list with a search bar and a list of fields: Date, Day, Day Name, Order Date, Quarter, Week of Year, and Year. The top ribbon includes the Table tools tab with options like Mark as date table, Manage relationships, and New measure.

Order Date	Date	Year	Quarter	Week of Year	Day	Day Name
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
12-09-2013	12 September 2013	2013	3	37	12	Thursday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
14-09-2013	14 September 2013	2013	3	37	14	Saturday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
14-09-2013	14 September 2013	2013	3	37	14	Saturday
13-09-2013	13 September 2013	2013	3	37	13	Friday
12-09-2013	12 September 2013	2013	3	37	12	Thursday
09-09-2013	09 September 2013	2013	3	37	9	Monday
09-09-2013	09 September 2013	2013	3	37	9	Monday
11-09-2013	11 September 2013	2013	3	37	11	Wednesday
15-09-2013	15 September 2013	2013	3	37	15	Sunday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
10-09-2013	10 September 2013	2013	3	37	10	Tuesday
09-09-2013	09 September 2013	2013	3	37	9	Monday
14-09-2013	14 September 2013	2013	3	37	14	Saturday

■ Model View

The screenshot shows the Power BI Desktop interface in Model View. The main area displays a list of fields for the table 2013: Date, Day, Day Name, Order Date, Quarter, Week of Year, and Year. The right-hand pane shows the Properties pane with a search bar and a list of fields. The bottom ribbon includes the Home tab with options like Get data, Excel, Power BI datasets, SQL Server, Enter data, Recent sources, Transform data, Refresh, Manage relationships, Manage roles, View as, Q&A setup, Language, Linguistic schema, and Publish.

Select one or more model objects to set their properties.

Power Editor Query

The screenshot shows the Power Editor Query window. The main area displays a table with the following data:

Order Date	Date	Year	Quarter	Week of Year
01-07-2013	01-07-2013	2013	3	
12-05-2013	12-05-2013	2013	2	
19-01-2013	19-01-2013	2013	1	
21-01-2013	21-01-2013	2013	1	
12-02-2013	12-02-2013	2013	1	
21-05-2013	21-05-2013	2013	2	
02-10-2013	02-10-2013	2013	4	
02-10-2013	02-10-2013	2013	4	
07-03-2013	07-03-2013	2013	1	
02-10-2013	02-10-2013	2013	4	
02-10-2013	02-10-2013	2013	4	
18-11-2013	18-11-2013	2013	4	
13-01-2013	13-01-2013	2013	1	
02-07-2013	02-07-2013	2013	3	
02-07-2013	02-07-2013	2013	3	
02-09-2013	02-09-2013	2013	3	
11-12-2013	11-12-2013	2013	4	
11-12-2013	11-12-2013	2013	4	
02-11-2013	02-11-2013	2013	4	
14-04-2013	14-04-2013	2013	2	
30-01-2013	30-01-2013	2013	1	

The right-hand pane shows the 'Query Settings' and 'APPLIED STEPS' sections. The 'APPLIED STEPS' list includes: Source, Navigation, Promoted Headers, Changed Type, Removed Blank Rows, Changed Type1, Removed Other Columns, Inserted Parsed Date, Renamed Columns, Inserted Year, Inserted Quarter, Inserted Week of Year, Inserted Day, and Inserted Day Name.

Advance Editor

The screenshot shows the Advance Editor window with the following M query script:

```
let
    Source = Excel.Workbook(File.Contents("D:\Analytics\PowerBI\Files\Data Set\Sales 2013.xlsx"), null, true),
    #"2013_Sheet" = Source[Item="2013",Kind="Sheet"][Data],
    #"Promoted Headers" = Table.PromoteHeaders("#2013_Sheet", [PromoteAllScalars=true]),
    #"Changed Type" = Table.TransformColumnTypes("#Promoted Headers",{{"Row ID", Int64.Type}, {"Order Priority", type text}, {"Discount", type text}},),
    #"Removed Blank Rows" = Table.SelectRows("#Changed Type", each not List.IsEmpty(List.RemoveMatchingItems(Record.FieldValues(_), {"", null}))),
    #"Changed Type1" = Table.TransformColumnTypes("#Removed Blank Rows",{{"Order Date", type text}}),
    #"Removed Other Columns" = Table.SelectColumns("#Changed Type1",{"Order Date"}),
    #"Inserted Parsed Date" = Table.AddColumn("#Removed Other Columns", "Parse", each Date.From(DateTimeZone.From([Order Date])), type date),
    #"Renamed columns" = Table.RenameColumns("#Inserted Parsed Date",{{"Parse", "Date"}}),
    #"Inserted Year" = Table.AddColumn("#Renamed columns", "Year", each Date.Year([Date]), Int64.Type),
    #"Inserted Quarter" = Table.AddColumn("#Inserted Year", "Quarter", each Date.QuarterOfYear([Date]), Int64.Type),
    #"Inserted Week of Year" = Table.AddColumn("#Inserted Quarter", "Week of Year", each Date.WeekOfYear([Date]), Int64.Type),
    #"Inserted Day" = Table.AddColumn("#Inserted Week of Year", "Day", each Date.Day([Date]), Int64.Type),
    #"Inserted Day Name" = Table.AddColumn("#Inserted Day", "Day Name", each Date.DayOfWeekName([Date]), type text)
in
    #"Inserted Day Name"
```

Below the script, a green checkmark indicates: "No syntax errors have been detected." The 'Done' and 'Cancel' buttons are visible at the bottom right of the editor.

- **Prepare a document with details of the following along with their price**

- *Power BI Desktop*

- *Power BI Pro*

- *Power BI Premium*

Power BI Desktop:

Power BI Desktop is a free application you install on your local computer that lets you connect to, transform, and visualize your data. ... Most users who work on business intelligence projects use Power BI Desktop to create reports, and then use the Power BI service to share their reports with others

Access data from hundreds of supported on-premises and cloud-based sources, such as Dynamics 365, Salesforce, Azure SQL DB, Excel, and SharePoint. Ensure it's always up to date with automated, incremental refreshes. Power BI Desktop enables you to develop deep, actionable insights for a broad range of scenarios.

Save time and make data prep easier with data modelling tools. Reclaim hours in your day using the self-service Power Query experience familiar to millions of Excel users. Ingest, transform, integrate, and enrich data in Power BI.

Dig deeper into data and find patterns you may have otherwise missed that lead to actionable insights. Use features like quick measures, grouping, forecasting, and clustering. Give advanced users full control over their model using powerful DAX formula language. If you're familiar with Office, you'll feel at home in Power BI.

Power BI Pro:

Explore data easily by using conversational language and get meaningful answers to data questions asked in your own words.

Get insights instantly from your favourite applications using pre-built data visualization and report templates.

Keep your priority analytics handy by pinning your most relevant content, and ensure others see valuable insights by promoting them using administrative tools.

Get the answers you need quickly using the skills you have today—whether you are most comfortable using other BI tools, Excel, or Azure.

Increase the impact of your insights by sharing them with teammates in the tools they use every day such as Microsoft Teams, Dynamics 365, and the Microsoft Power Platform.

Encourage data exploration and insight sharing with an intuitive, familiar experience that looks and works like the other Microsoft technologies your teams already use.

Help prevent data loss with centrally managed, role-specific data protection and row-level security.

Safeguard your data so that it meets the compliance standards and certifications for your industry.

Power BI Premium:

Enable anyone— whether they're inside or outside your organization—to view all Power BI content including paginated and interactive reports without purchasing individual licenses.

Choose the deployment option that works best for your organization, with on-premises reporting through Power BI Report Server, and your choice of geographic region for cloud deployment.

Scale as your needs grow with dedicated cloud infrastructure that gives you control of performance.

Find the data you need by using prebuilt connectors for common services like Dynamics 365, Azure Synapse Analytics, Salesforce.com, Excel, and SharePoint.

Empower business analysts to ingest, transform, and enrich big data through the already familiar Power Query experience without developing specialized skills or relying on others.

Prepare data once and then reuse it across multiple Power BI models to drive efficiency and accuracy.

Meet data residency requirements by deploying in any region you choose including National clouds.

Decide the best way for users to view and collaborate through flexible reporting types, distribution formats, and embedding options.

Reduce IT headaches with a unified BI tool that includes central governance, security, and management across all users inside or outside your organization.

The image is a comparison of two Power BI licensing options: Power BI Pro and Power BI Premium. It is divided into two main sections: 'Choose Power BI Pro' and 'Add Power BI Premium'. Each section lists features and shows a pricing card.

Power BI Pro	Power BI Premium
<ul style="list-style-type: none">Self-service and modern BI in the cloudCollaboration, publishing, sharing, and ad-hoc analysisFully managed by Microsoft	<ul style="list-style-type: none">Enterprise BI, big data analytics, cloud and on-premises reportingAdvanced administration and deployment controlsDedicated cloud compute and storage resourcesAllows any user to consume Power BI content
\$9.99 Monthly price per user	\$4,995 Monthly price per dedicated cloud compute and storage resource with annual subscription
Buy now > Try free >	Request a consultation >

