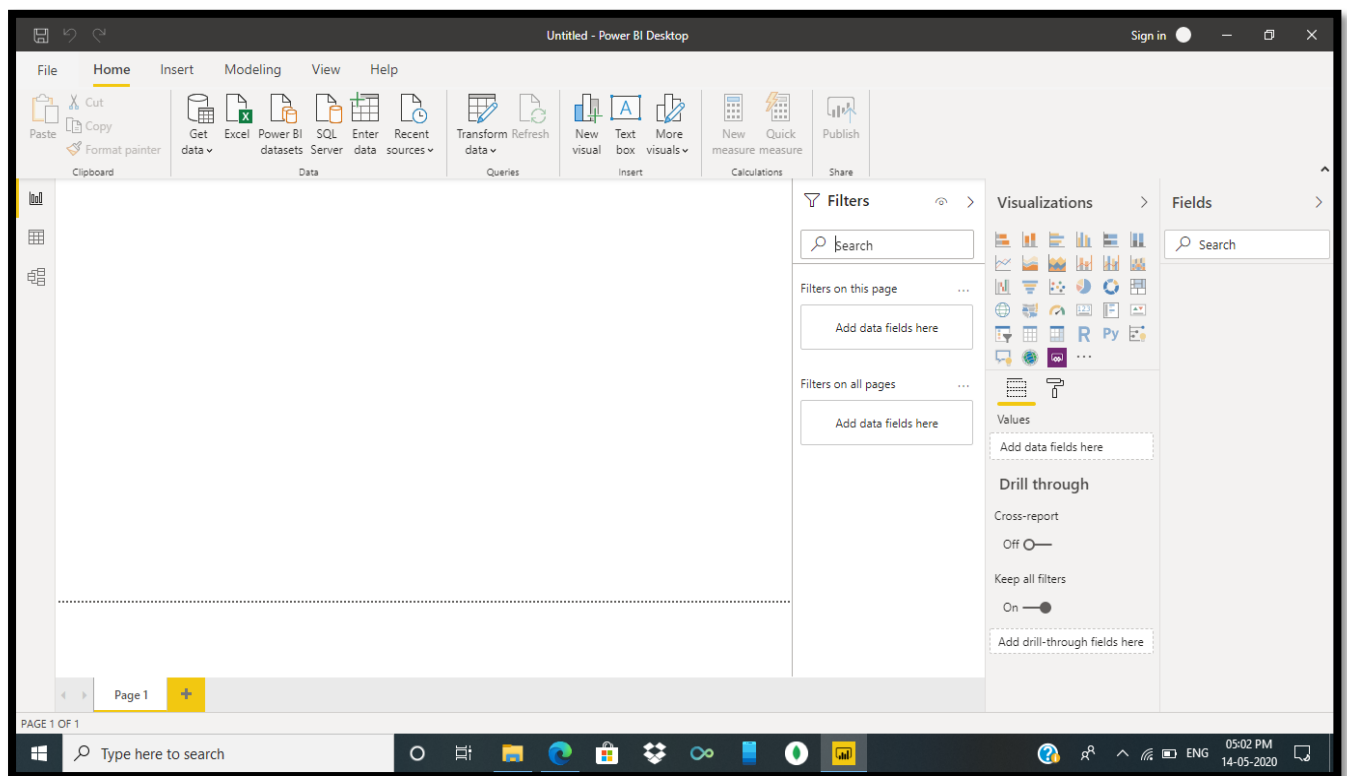


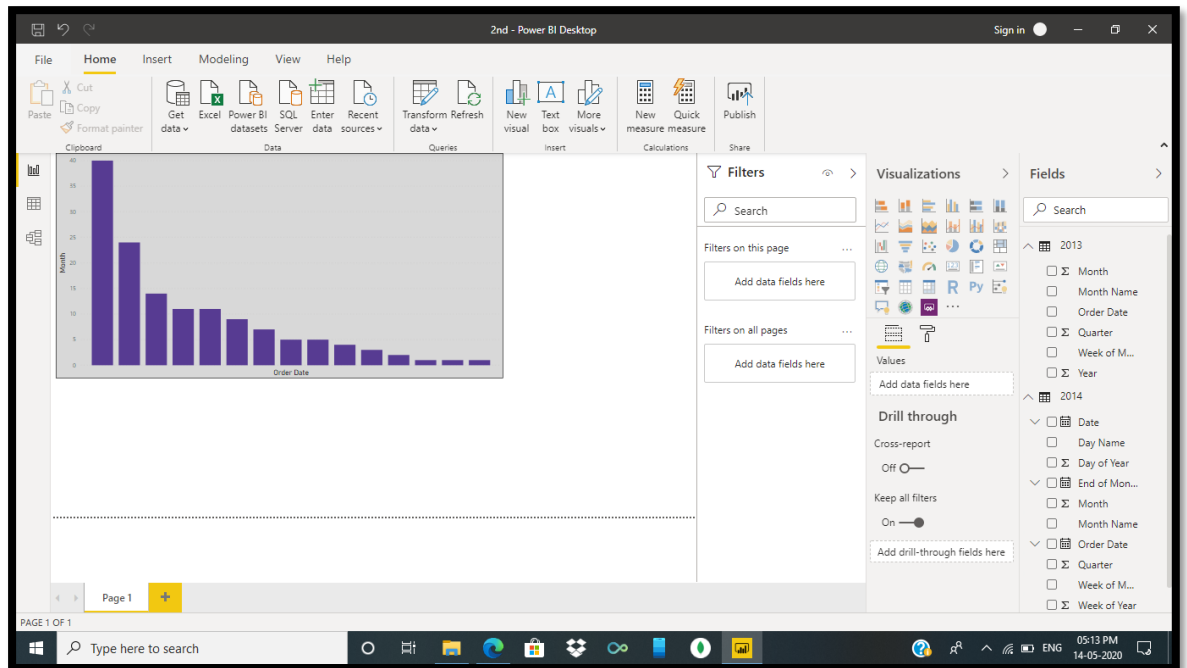
# **Assignment 1.) Power BI Installation**

**Final screenshot of the report view page which appears when power desktop start:-**

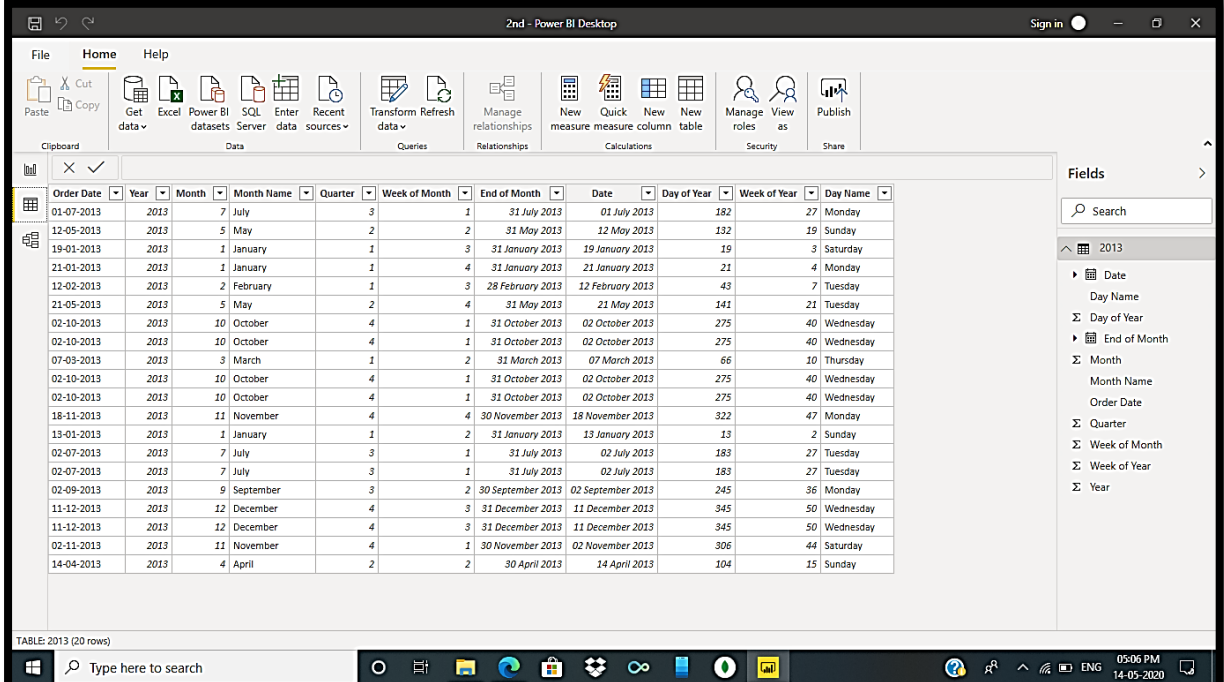


# Document and with the following screenshot:-

## 1.) Report View



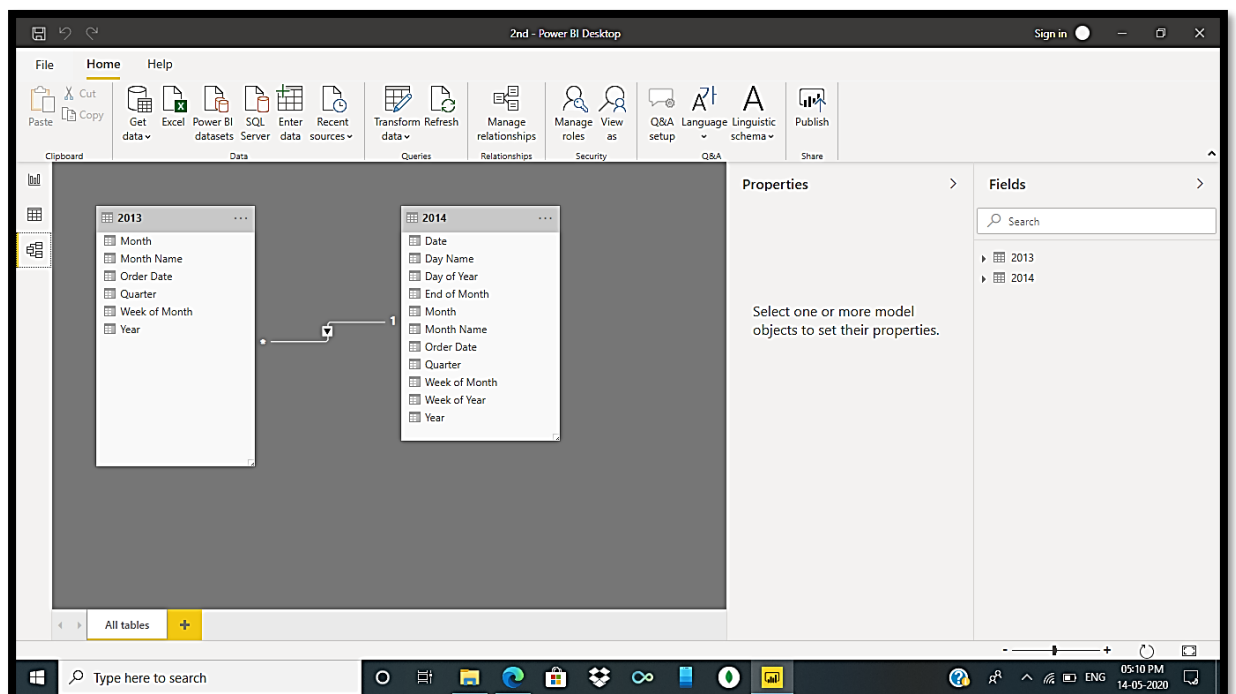
## 2.) Data View :-



The screenshot shows the Power BI Desktop interface in Data View. The main area displays a table with 20 rows of data for the year 2013. The table columns include Order Date, Year, Month, Month Name, Quarter, Week of Month, End of Month, Date, Day of Year, Week of Year, and Day Name. The right-hand pane shows the Fields list with a search bar and a list of available fields for the 2013 table.

Order Date	Year	Month	Month Name	Quarter	Week of Month	End of Month	Date	Day of Year	Week of Year	Day Name
01-07-2013	2013	7	July	3	1	31 July 2013	01 July 2013	182	27	Monday
12-05-2013	2013	5	May	2	2	31 May 2013	12 May 2013	132	19	Sunday
19-01-2013	2013	1	January	1	3	31 January 2013	19 January 2013	19	3	Saturday
21-01-2013	2013	1	January	1	4	31 January 2013	21 January 2013	21	4	Monday
12-02-2013	2013	2	February	1	3	28 February 2013	12 February 2013	43	7	Tuesday
21-05-2013	2013	5	May	2	4	31 May 2013	21 May 2013	141	21	Tuesday
02-10-2013	2013	10	October	4	1	31 October 2013	02 October 2013	275	40	Wednesday
02-10-2013	2013	10	October	4	1	31 October 2013	02 October 2013	275	40	Wednesday
07-03-2013	2013	3	March	1	2	31 March 2013	07 March 2013	66	10	Thursday
02-10-2013	2013	10	October	4	1	31 October 2013	02 October 2013	275	40	Wednesday
02-10-2013	2013	10	October	4	1	31 October 2013	02 October 2013	275	40	Wednesday
18-11-2013	2013	11	November	4	4	30 November 2013	18 November 2013	322	47	Monday
13-01-2013	2013	1	January	1	2	31 January 2013	13 January 2013	13	2	Sunday
02-07-2013	2013	7	July	3	1	31 July 2013	02 July 2013	183	27	Tuesday
02-07-2013	2013	7	July	3	1	31 July 2013	02 July 2013	183	27	Tuesday
02-09-2013	2013	9	September	3	2	30 September 2013	02 September 2013	245	36	Monday
11-12-2013	2013	12	December	4	3	31 December 2013	11 December 2013	345	50	Wednesday
11-12-2013	2013	12	December	4	3	31 December 2013	11 December 2013	345	50	Wednesday
02-11-2013	2013	11	November	4	1	30 November 2013	02 November 2013	306	44	Saturday
14-04-2013	2013	4	April	2	2	30 April 2013	14 April 2013	104	15	Sunday

## 3.) Model View:-



## 4.) Power Query Editor:-

The screenshot displays the Power Query Editor window. The main area shows a table with the following columns: Order Date, Year, Month, Month Name, Quarter, and Week of Month. The data represents the first 20 rows of a dataset for the year 2013. The ribbon at the top includes tabs for File, Home, Transform, Add Column, View, Tools, and Help. The right-hand pane contains the 'Query Settings' section, which includes 'PROPERTIES' (Name: 2013) and 'APPLIED STEPS' (a list of transformations applied to the query). The bottom status bar indicates '11 COLUMNS, 20 ROWS' and 'Column profiling based on top 1000 rows'.

## 5.) Advance Editor:-

The screenshot displays the Advanced Editor window for the '2013' query. The main area shows a M query script. The script starts with a 'let' statement defining the source as an Excel workbook. It then applies several transformations: 'Promoted Headers', 'Changed Type' (for various columns), 'Reordered Columns', 'Inserted Parsed Date', 'Renamed Columns', 'Inserted Year', 'Inserted Month', 'Inserted Month Name', 'Inserted Start of Year', 'Inserted Start of Quarter', 'Inserted Quarter', 'Inserted Week of Month', 'Inserted Age', 'Inserted End of Month', 'Inserted Date Subtraction', 'Inserted Day of Year', 'Reordered Columns1', 'Reordered Columns2', and 'Reordered Columns3'. The script ends with a 'done' statement. The bottom status bar indicates 'No syntax errors have been detected.' The right-hand pane shows 'Display Options'.

## **Document with details of the following along with their price :-**

### **1.) 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. With Power BI Desktop, you can connect to multiple different sources of data, and combine them into a data model. This data model lets you build visuals, and collections of visuals you can share as reports, with other people inside your organization. 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. The most common uses for Power BI Desktop are as follows:

- Connect to data
- Transform and clean that data, to create a data model
- Create visuals, such as charts or graphs, that provide visual representations of the data
- Create reports that are collections of visuals, on one or more report pages
- Share reports with others by using the Power BI service

**Price:-** Power BI Desktop is free to any single user.

### **2.) Power BI Pro :-**

Power BI Pro is an individual user license that lets users read and interact with reports and dashboards that others have published to the Power BI service. Users with this license type can share content and collaborate with other Power BI Pro users. Only Power BI Pro users can publish or share content with other users or consume content that's created by others.

**Price :-** Power BI Pro Cost the Pro plan costs **\$9.99**/user/month. It includes data collaboration, data governance, building dashboards with a 360-degree real-time view and the ability to publish reports anywhere. Users can try it a free trial for 60 days before purchasing the subscription.

### 3.) Power BI Premium :-

You can use Power BI Premium to get dedicated and enhanced resources for your organization, so users in your organization can use the Power BI service with better performance and responsiveness. For example, with a Power BI Premium subscription, you and your organization's users get access to:

- Greater scale and performance
- Flexibility to license by capacity
- Unify self-service and enterprise BI
- Extend on-premises BI with Power BI Report Server
- Support for data residency by region (Multi-Geo)
- Share data with anyone without purchasing a per-user license.

In Power BI Premium, we have:-

**i.) Power BI Report Server** is an *on-premises* report server with a web portal. You can build your BI environment on-premises and distribute reports behind your organization's firewall. Report Server gives users access to rich, interactive, and enterprise reporting capabilities of SQL Server Reporting Services.

**ii.) Incremental refresh** provides an integral part of having and maintaining large datasets in Power BI Premium. Incremental refresh has many benefits, for example, Refreshes are faster because only data that has changed needs to be refreshed. Refreshes are more reliable because it's unnecessary to maintain long-running connections to volatile data sources.

**iii.) Paginated reports**, supported on P1-P3 and A4\_A6 SKUs, are based on Report Definition Language (RDL) technology in SQL Server Reporting Services. While based on RDL technology, it's not the same as Power BI Report Server, which is a downloadable reporting platform you can install on-premises, also included with Power BI Premium. Paginated reports are formatted to fit well on a page that can be printed or shared. Data is displayed in a table.

**iv.) Unlimited content sharing** with Premium, anyone, whether they're inside or outside your organization can view your Power BI content including paginated and interactive reports without purchasing individual licenses.

**Price :-** The **Premium** plan starts at \$4,995 a month per dedicated cloud compute and storage resource.