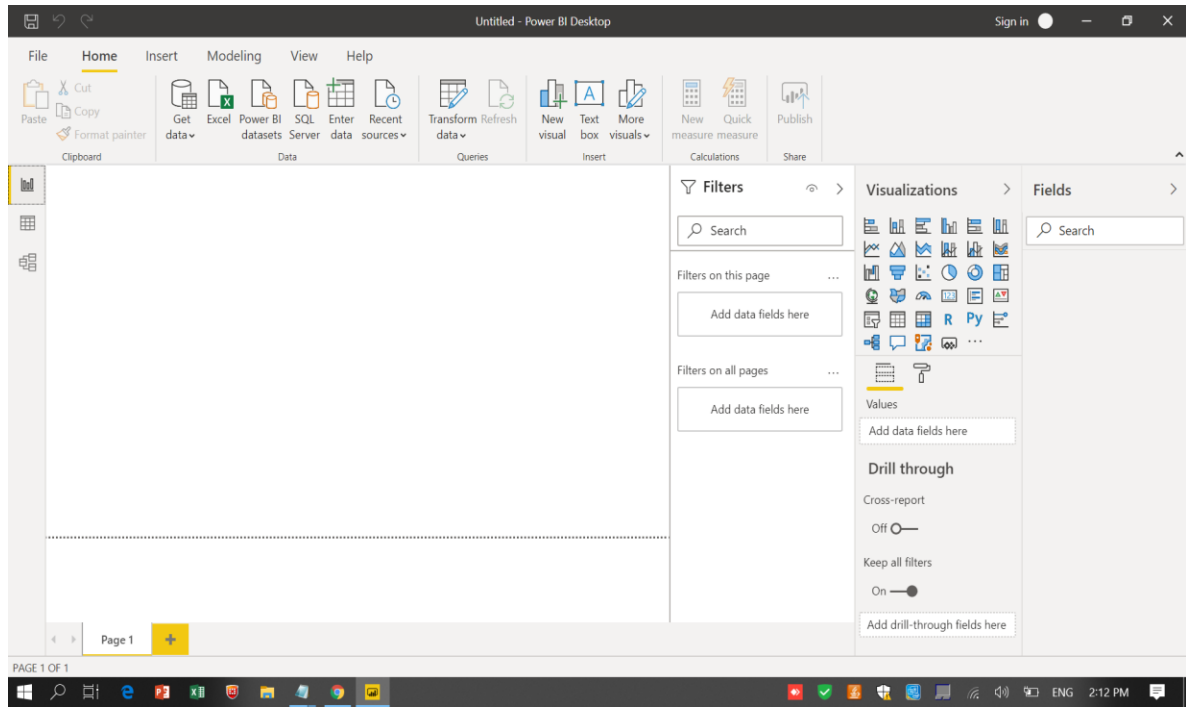


Assignment – 1

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

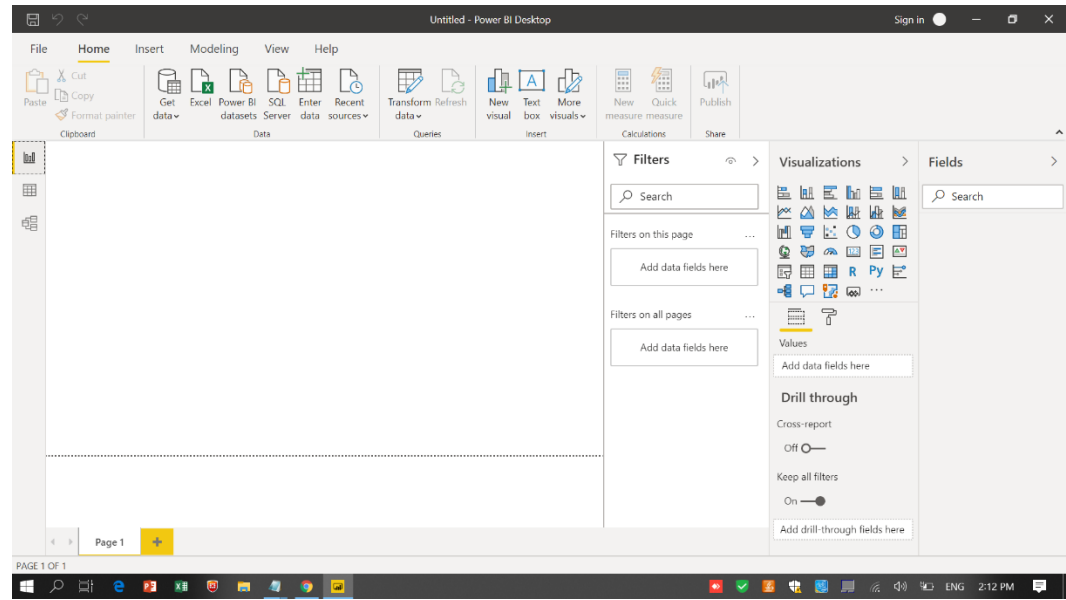


- Prepare a document and with the following screenshot

1. Report view:

Power BI Desktop includes a *Report view*, where you can create any number of report pages with visualizations. Report view in Power BI Desktop provides a similar design experience to the report's editing view in the *Power BI service*. You can move visualizations around, copy and paste, merge, and so on. When Power BI starts Report view is in blank page. It appears left side of the canvas.

Here is the screen shot of Report view:



2. Data View :

Data view helps you inspect, explore, and understand data in your *Power BI Desktop* model. It's different from how you view tables, columns, and data in *Power Query Editor*. With Data view, you're looking at your data *after* it has been loaded into the model.

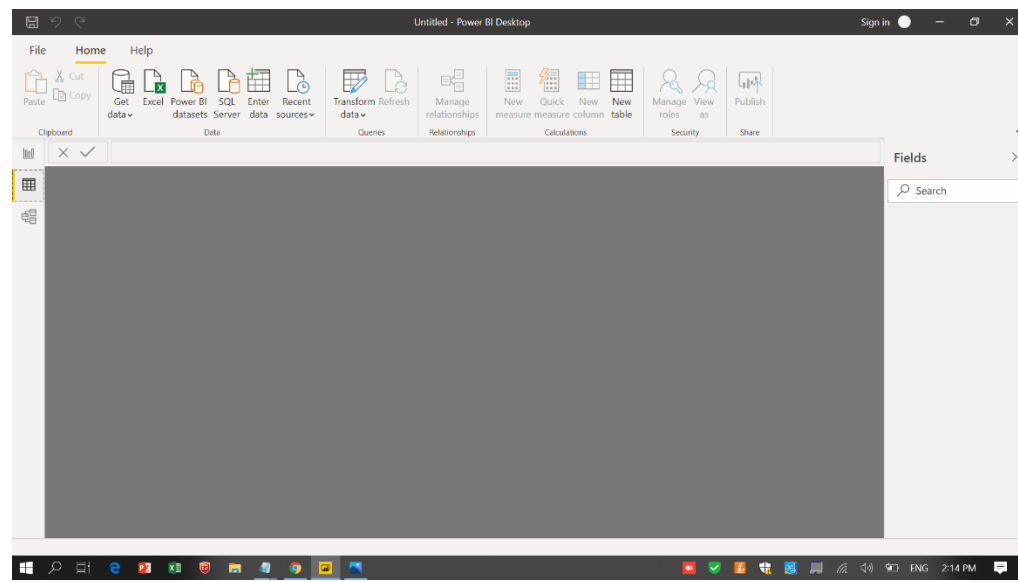
When you're modeling your data, sometimes you want to see what's actually in a table or column without creating a visual on the report canvas. You might want to see right down to the row level. This ability is especially useful when you're creating measures and calculated columns, or you need to identify a data type or data category.

Following are the elements of data view:

- **Data view icon.** Select this icon to enter Data view.
- **Data Grid.** This area shows the selected table and all columns and rows in it. Columns hidden from *Report* view are greyed out. You can right-click on a column for options.

- **Modeling ribbon.** Here you can manage relationships, create calculations, change data type, format, data category for a column.
- **Formula bar.** Enter Data Analysis Expression (DAX) formulas for Measures and Calculated columns.
- **Search.** Search for a table or column in your model.
- **Fields list.** Select a table or column to view in the data grid.

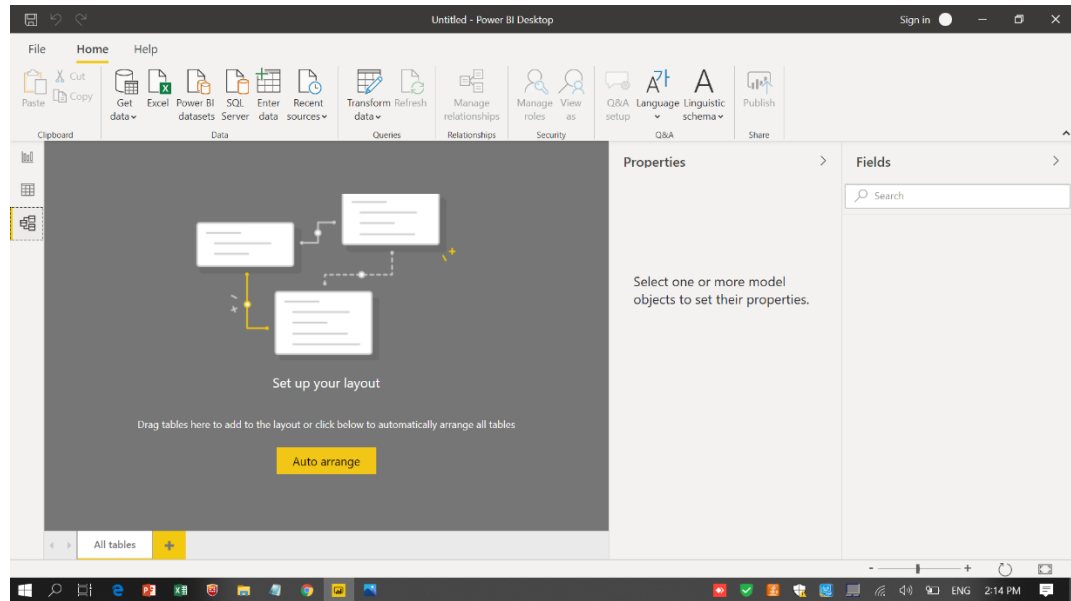
Data view



3. Model View :

Model view shows all of the tables, columns, and relationships in your model. This view can be especially helpful when your model has complex relationships between many tables. Select the Model icon near the side of the window to see a view of the existing model. Hover your cursor over a relationship line to show the columns that are used.

Below is the screen shot of Model View when Power bi starts without any data



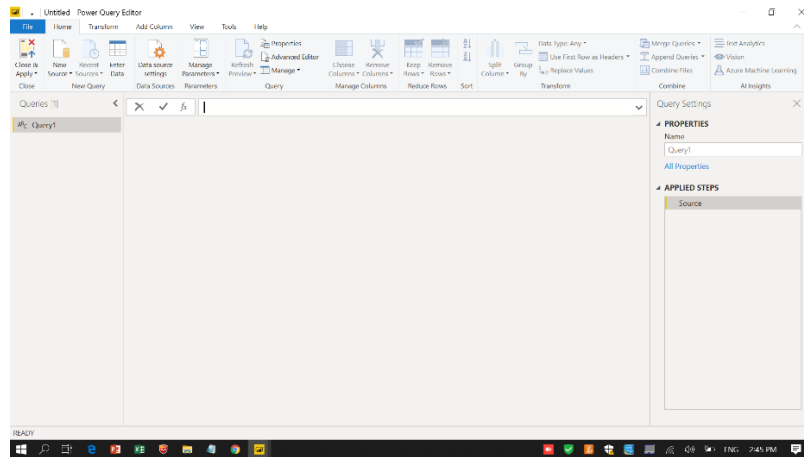
4. Power Query Editor

Power Query is made available in **Power BI Desktop** through **Power Query Editor**. To launch Power Query Editor, select **Edit Queries** from the **Home** tab of Power BI Desktop.

With **Power Query** in **Power BI** you can connect to many different data sources, transform the data into the shape you want, and quickly be ready to create reports and insights. When using Power BI Desktop, **Power Query** functionality is provided in the **Power Query Editor**.

With no data connections, **Power Query Editor** appears as a blank pane, ready for data.

Once a query is loaded, **Power Query Editor** view becomes more interesting. If you connect to the following Web data source, **Power Query Editor** loads information about the data, which you can then begin to shape



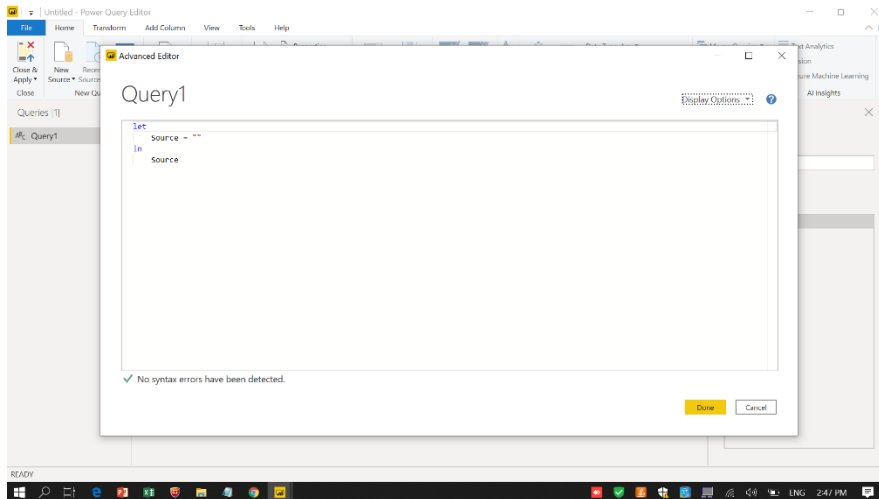
Here's how **Power Query Editor** appears once a data connection is established:

- In the ribbon, many buttons are now active to interact with the data in the query.
- In the left pane, queries are listed and available for selection, viewing, and shaping.
- In the center pane, data from the selected query is displayed and available for shaping.
- The **Query Settings** window appears, listing the query's properties and applied steps.

5. Advanced Editor

The **Advanced Editor** lets you see the code that **Power Query Editor** is creating with each step. It also lets you create your own shaping code. To launch the **advanced editor**, select **View** from the ribbon, then select **Advanced Editor**. A window appears, showing the existing **query** code.

Below is the screen shot of Advanced Query..



Advanced Editor With Power Query

1. Step 1: Load the data into Power Query Editor. To understand the working of Power Query, first, load the data in Power Query as shown below.
2. Step 2: Add Index Column.
3. Step 3: Rearrange the Index Column.
4. Step 4: Change Header Type.
5. Step 5: View the steps applied in the Applied Steps Window
6. Step 6: Open Advanced Editor.

• Prepare a document with details of the following along with their price – Power BI Desktop – Power BI Pro – Power BI Premium

a. Power BI Desktop:

Power BI Desktop lets you build advanced queries, models, and reports that visualize data. With **Power BI Desktop**, you can build data models, create reports, and share your work by publishing to the **Power BI** service. **Power BI Desktop** is a free download.

b. 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.

Power BI Pro. \$9.99. Monthly price per user

c) Power BI Premium:

Power BI Premium is a capacity-based offering that includes: Flexibility to publish reports broadly across an enterprise, without requiring recipients to be licensed individually per user. Greater scale and performance than shared capacity in the **Power BI** service

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

We and our organization's users get following 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**