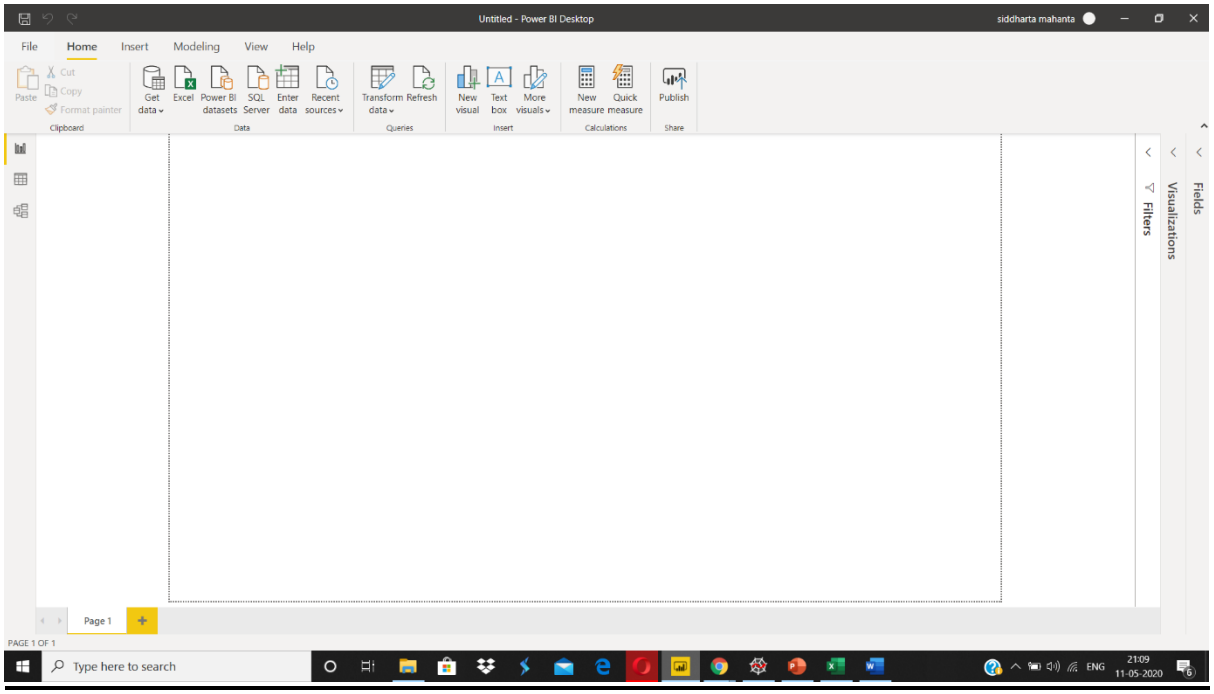
Assignment – 1

Power BI Desktop Installation Assignment

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

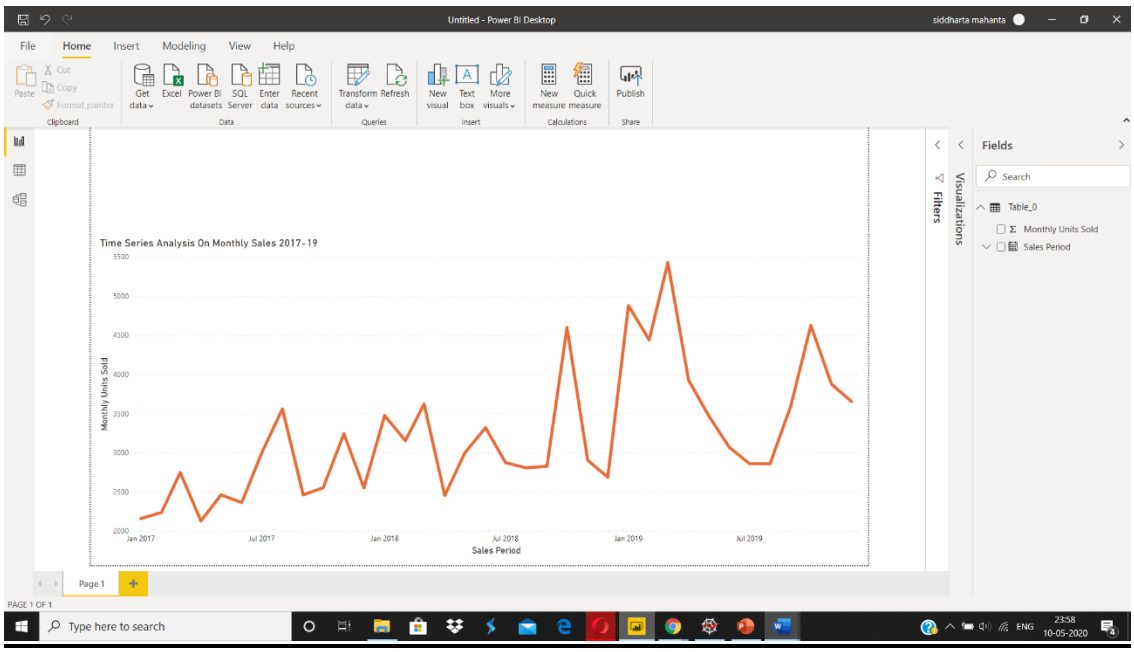
I have installed the Power Bi Desktop from the official Microsoft website and signed up in the power bi application with the help of my organisational email id.



2. Prepare a document and with the following screenshot

- Report View

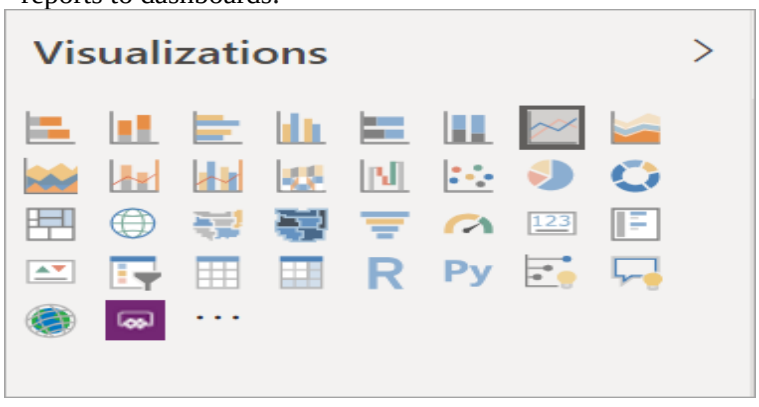
  In Report view, you can create any number of report pages with visualizations. Report view in Power BI Desktop provides a similar design experience to the report's editing view in the Power BI service. You can move visualizations around, copy and paste, merge and create a user interactive dashboard.



The Main 3 Tabs of Report View Are

Filters - Filters in Power BI sort data and information based on some selected criterions. That is, you can select particular fields or values within fields and view only the information related to that.

Visualizations - Visualizations (known as visuals for short) display insights that have been discovered in the data. A Power BI report might have a single page with one visual or it might have pages full of visuals. In the Power BI service, visuals can be pinned from reports to dashboards.

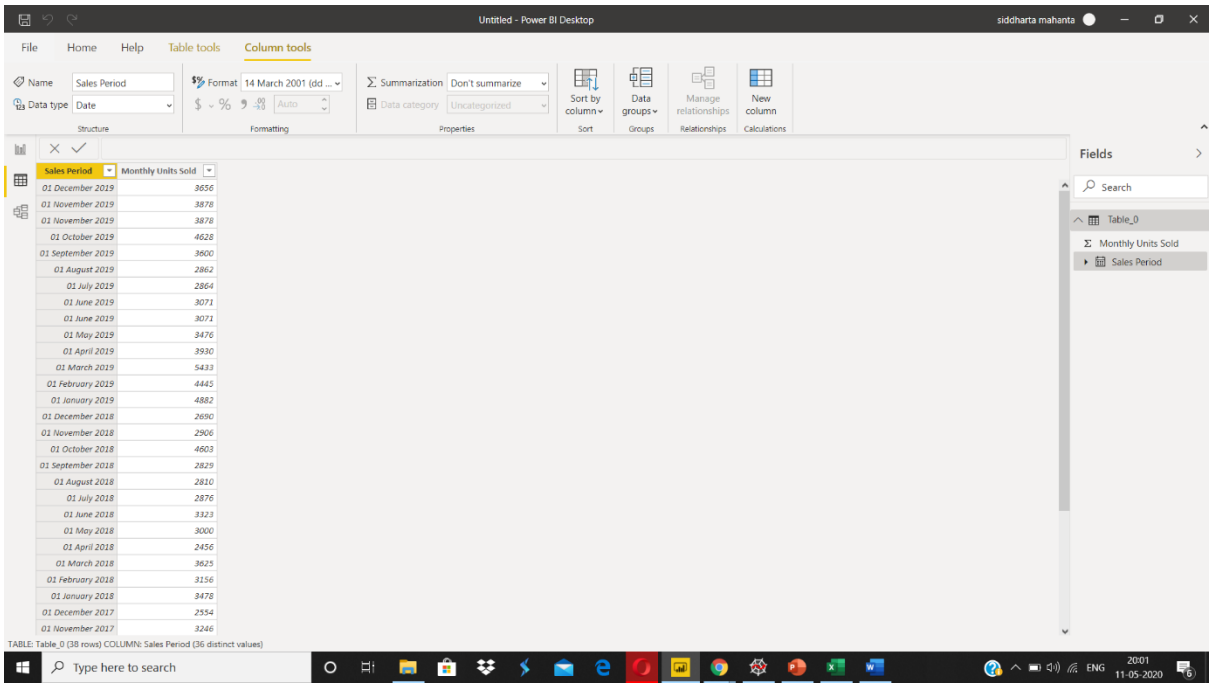


Fields – In this all the columns of the dataset imported are stored and all the columns of the can used in the visualization with the help of drag and drop technique.

- Data View

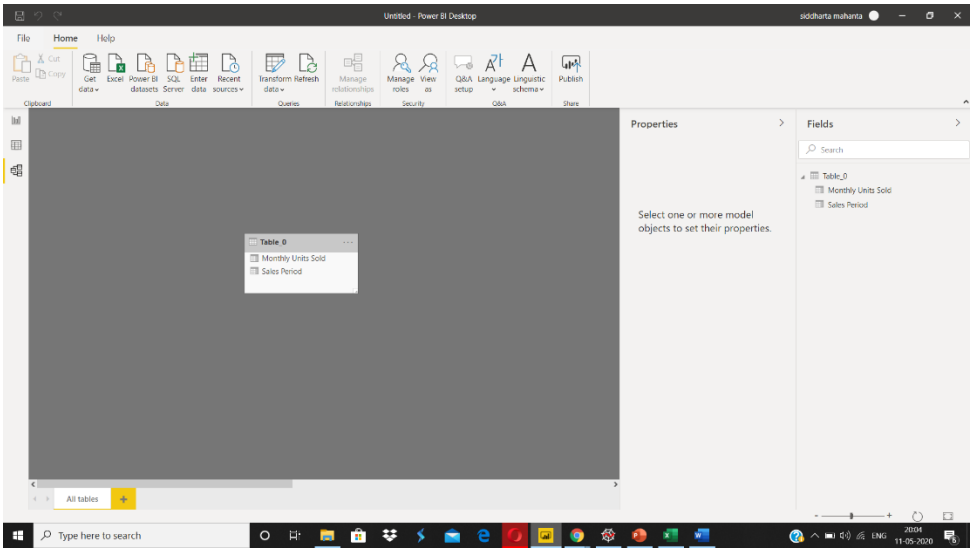
  Data view helps you inspect, explore, and understand data in your Power BI Desktop model. It's different from how you view tables, columns, and data in Power Query Editor. With Data view, you're looking at your data after it has been loaded into the model.

  When you're modelling 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.



- Model View

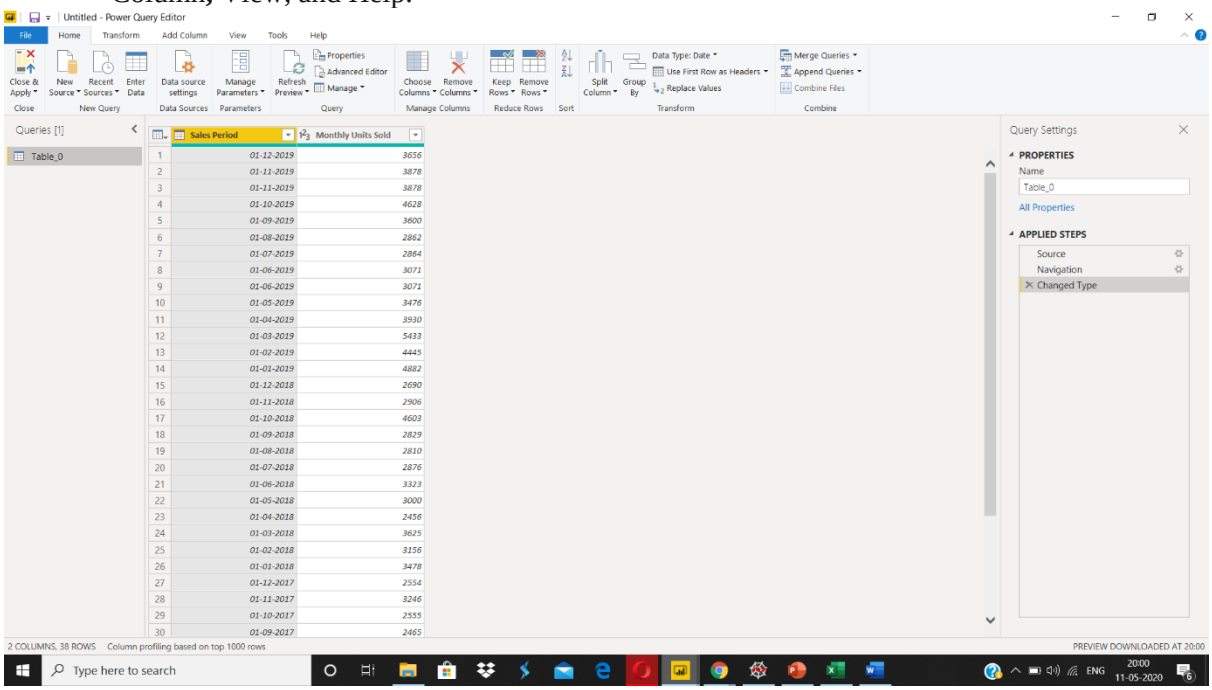
  Model view shows all of the tables, columns, and relationships in your model. This view can be especially helpful when your model has complex relationships between many tables.



- Power Query Editor

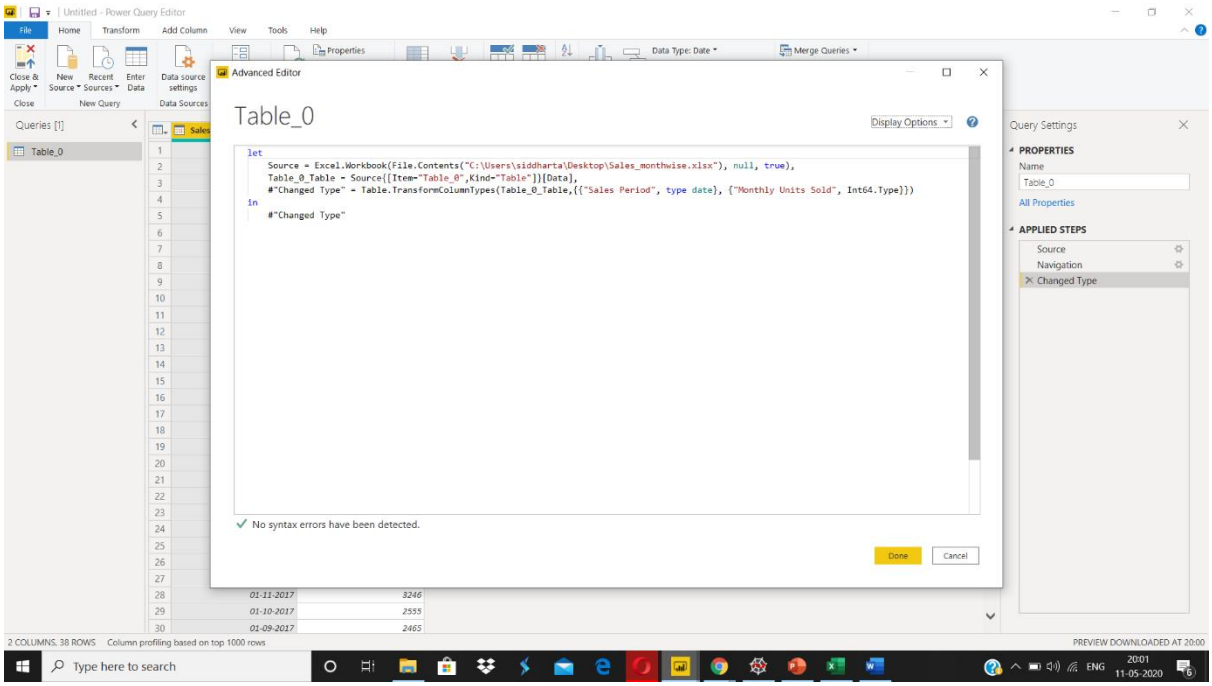
  With Power Query in Power BI you can connect to many different data sources, transform the data into the shape you want, and quickly be ready to create reports and insights. When using Power BI Desktop, Power Query functionality is provided in the Power Query Editor.

  The ribbon in Power Query Editor consists of five tabs—Home, Transform, Add Column, View, and Help.



- 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.



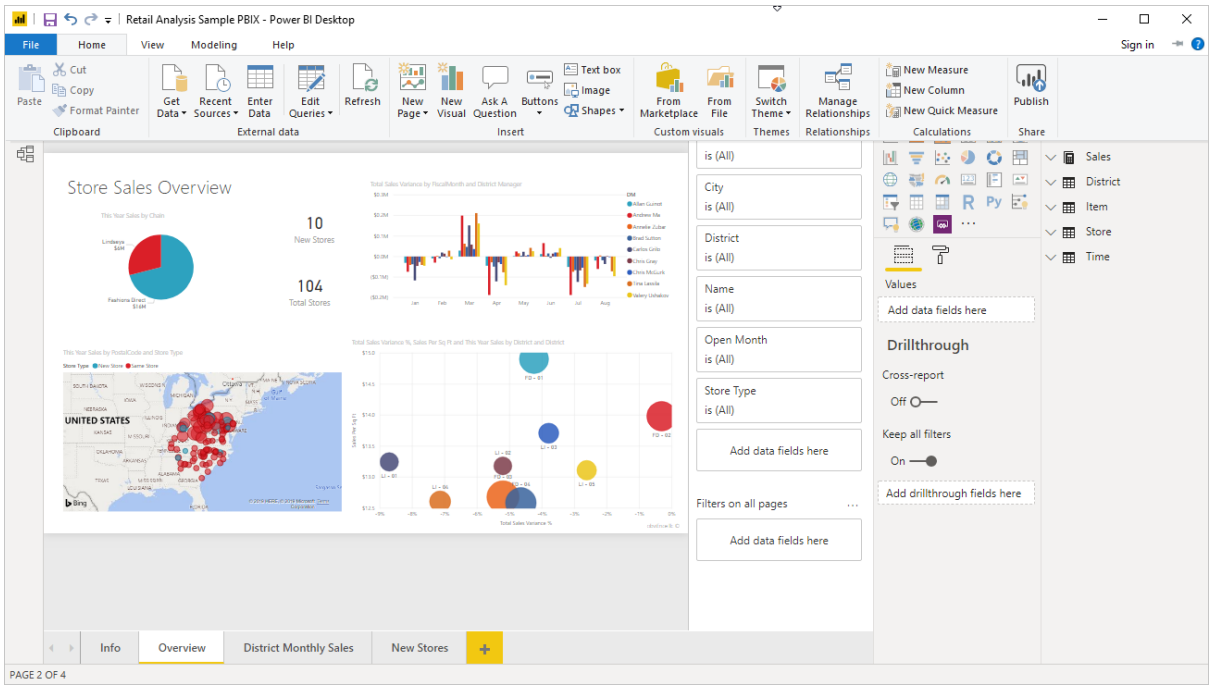
You can directly edit the code in the Advanced Editor window. To close the window, select the Done or Cancel button.

3. Prepare a document with details of the following along with their price

    - 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 (often called modelling) 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.

Price – Free



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

There are three views available in Power BI Desktop, which you select on the left side of the canvas. The views, shown in the order they appear, are as follows:

- **Report**: In this view, you create reports and visuals, where most of your creation time is spent.
- **Data**: In this view, you see the tables, measures, and other data used in the data model associated with your report, and transform the data for best use in the report's model.
- **Model**: In this view, you see and manage the relationships among tables in your data mode

- 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, unless a Power BI Premium capacity hosts that content

Price = $9.99 monthly Price per user

Advantages of Power Bi Pro over Power Bi Desktop

- Ability to embed Power BI visuals into apps (PowerApps, SharePoint, Teams, etc)
- Native integration with other Microsoft solutions (Azure Data Services)
- Share datasets, dashboards and reports with other Power BI Pro users
- Can create App Workspaces and peer-to-peer sharing
- To securely share a Report, a Pro user can share with another Pro user, or place the Report on a Premium Workspace and share it with Free licence users.

- 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. Power BI Premium is a capacity-based license, while Power BI Pro is a user-based license. Power BI Pro is for those users publishing reports, sharing dashboards, collaborating with colleagues in workspaces and engaging in other related activities such as the ability to:

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

Price = $4,995 monthly Price per dedicated cloud compute and storage resource with annual subscription

Advantages of Power Bi Premium

- Edit and save customized views
- Create personal dashboards (pin to new dashboard)
- Analyse data in Excel or Power BI Desktop
- Share with Excel Web App support
- Share dashboards and collaborate with Office 365 Groups
- Integrate content with Microsoft Teams