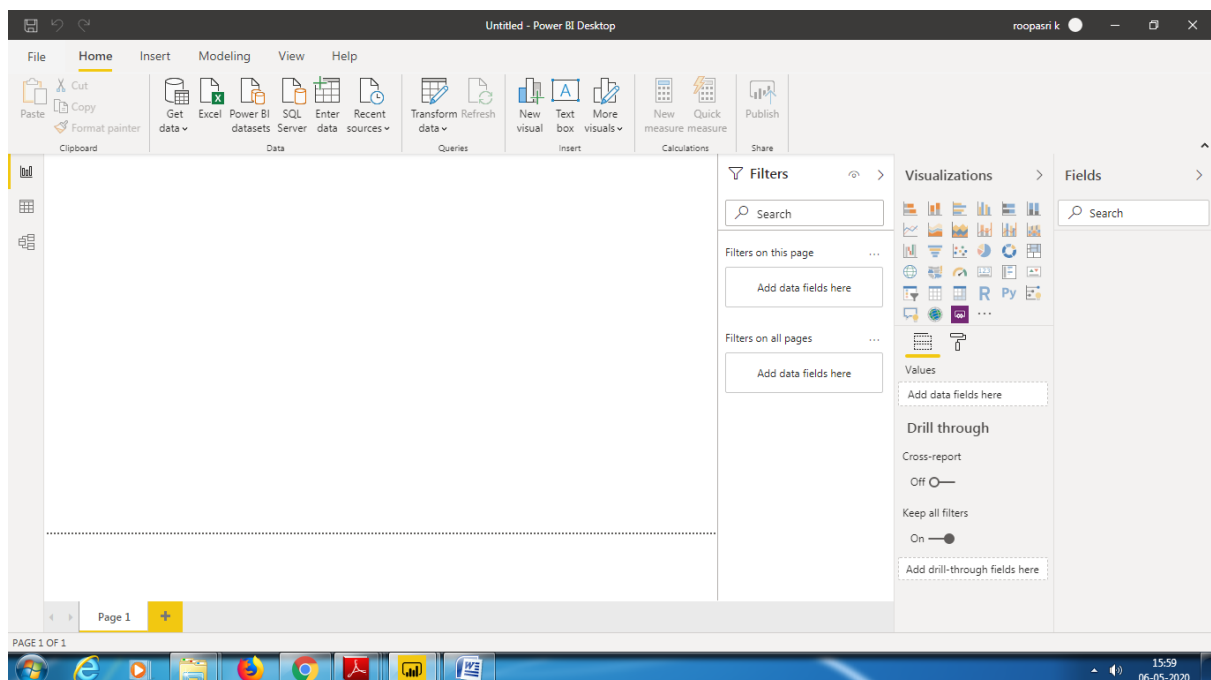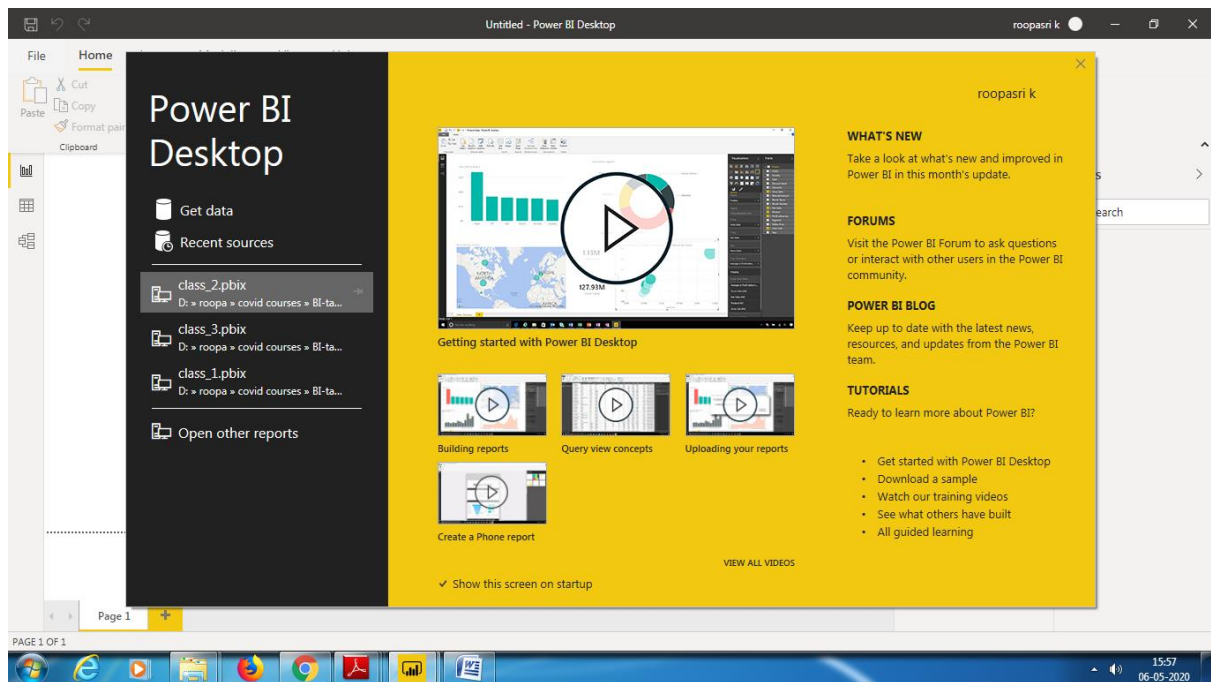# Assignment - 1

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

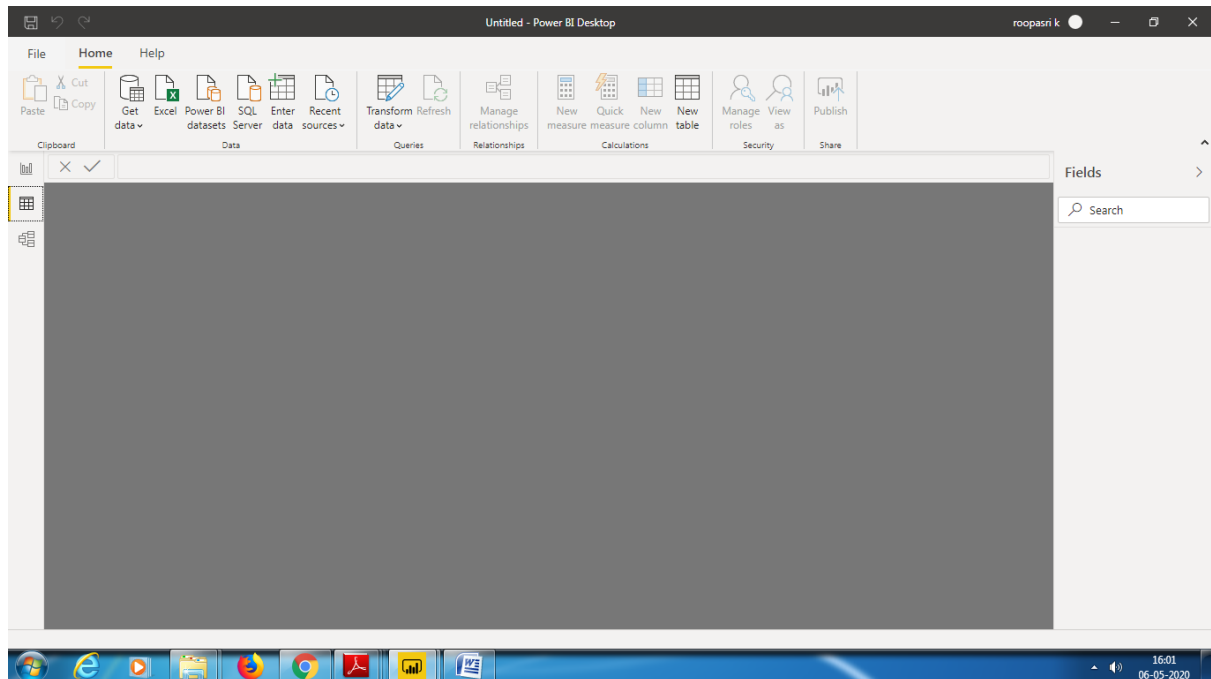- **Prepare a document and with the following screenshot**

**Report view:**

Reports provide dynamic perspectives and insights into data. Power BI Desktop Report view, allows to create any number of report pages with visualizations. One can move visualizations around, copy and paste, merge, and so on.
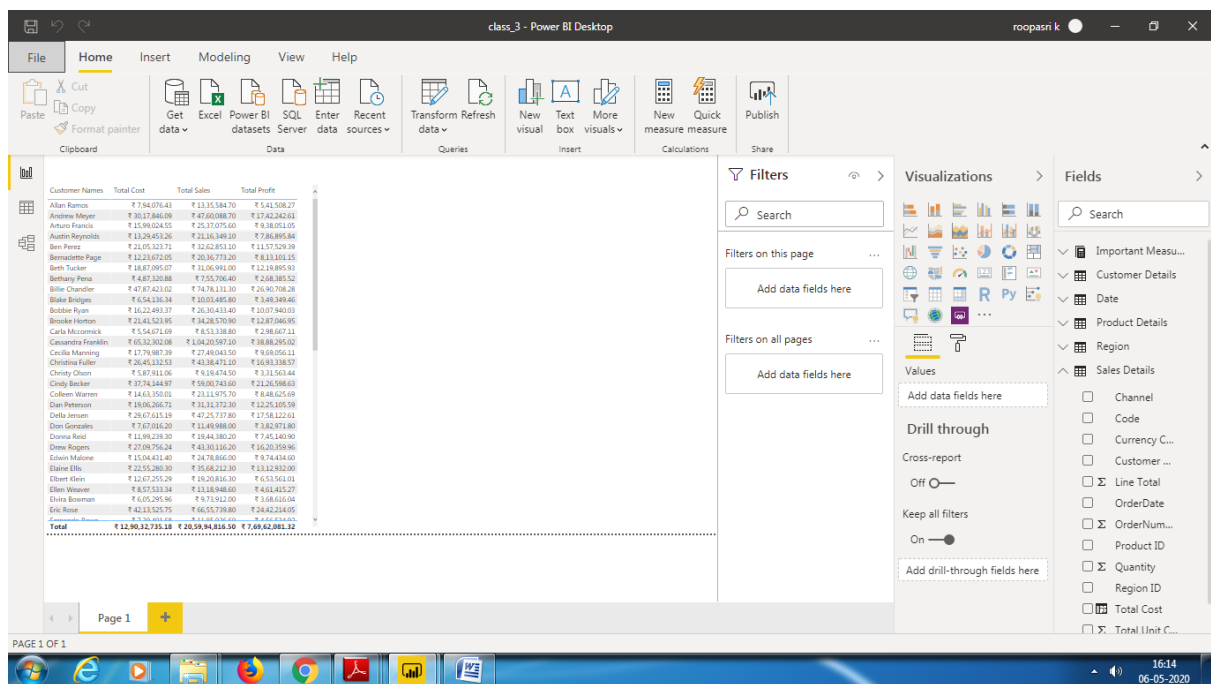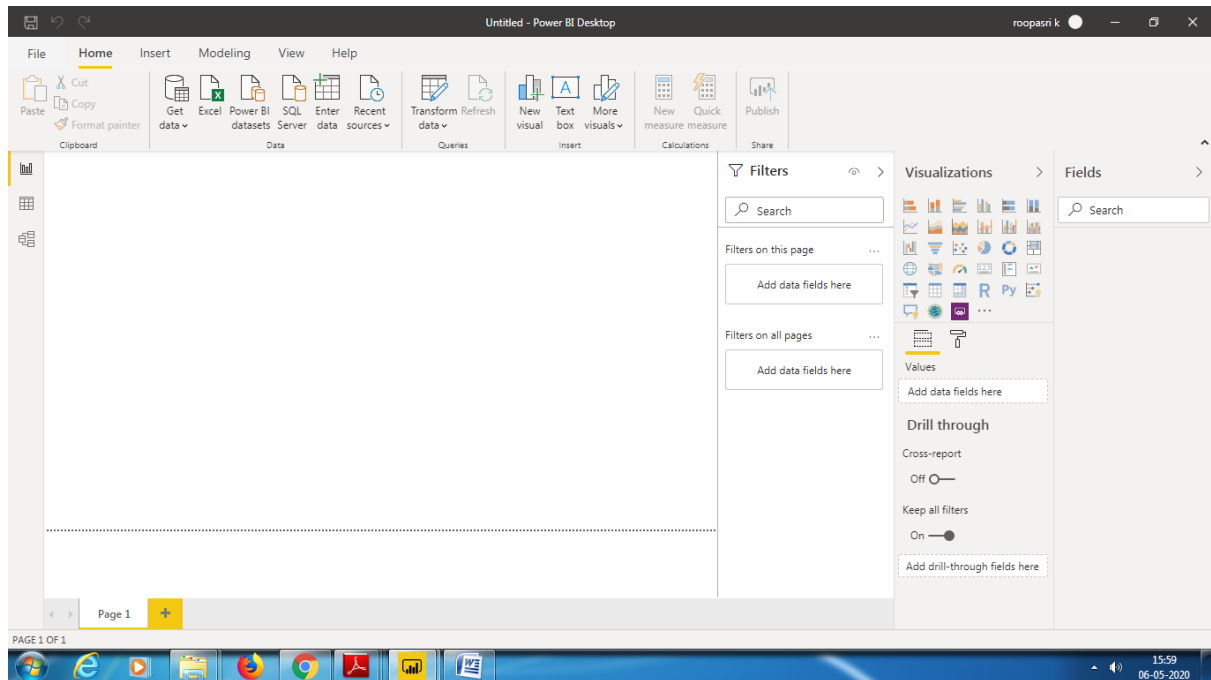
**Data view:**

This view, provides 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.
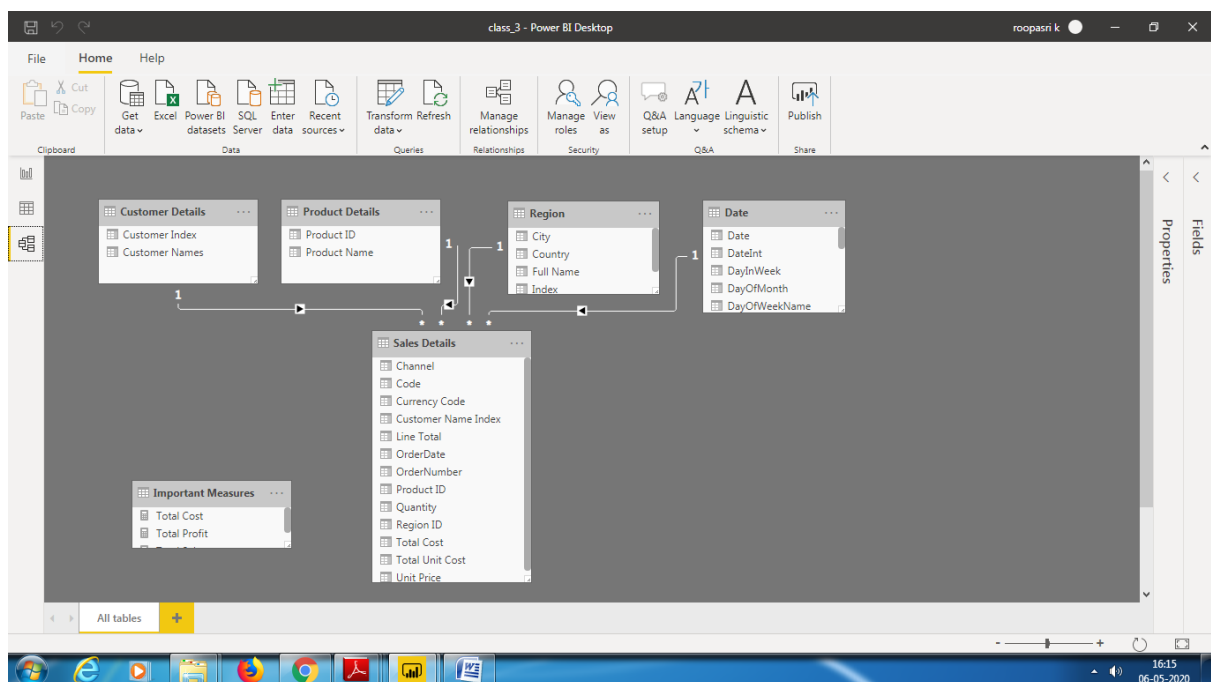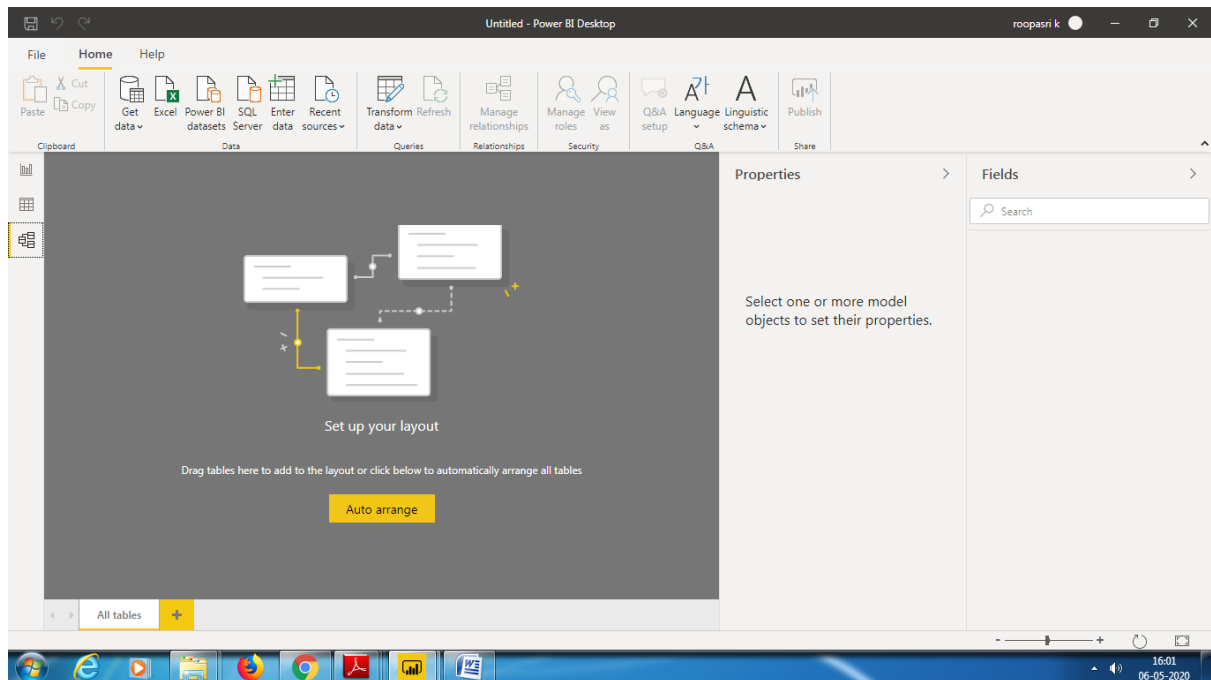
**Model view:**

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

**Power Query Editor:**

Power Query in Power BI provides connections 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.
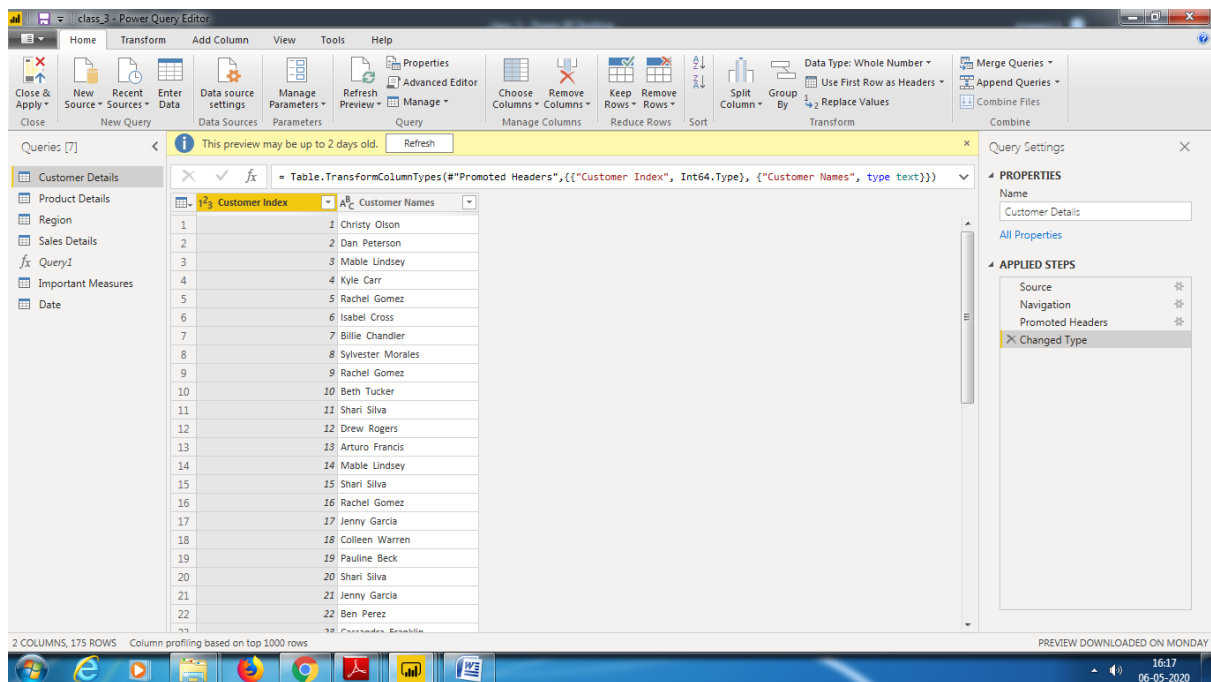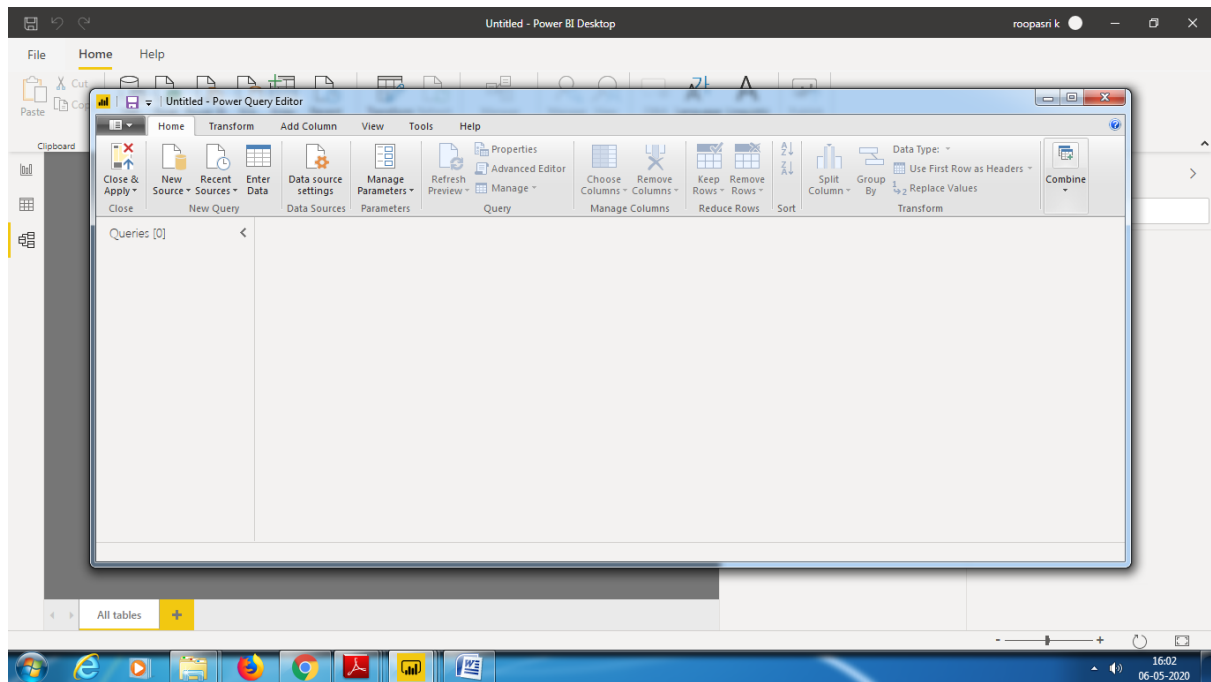
**Advance Editor:**

The Advanced Editor lets to see the code that Power Query Editor is creating with each step. It also lets to create own shaping code. To launch the advanced editor, select View from the ribbon, then select Advanced Editor.
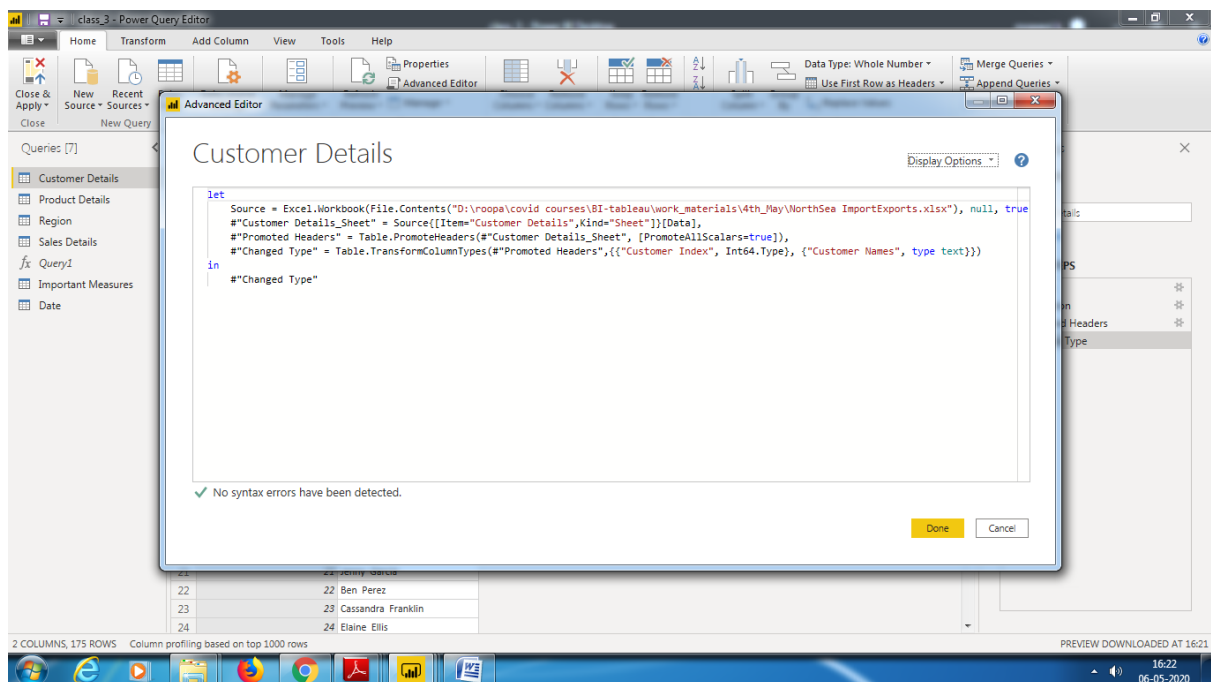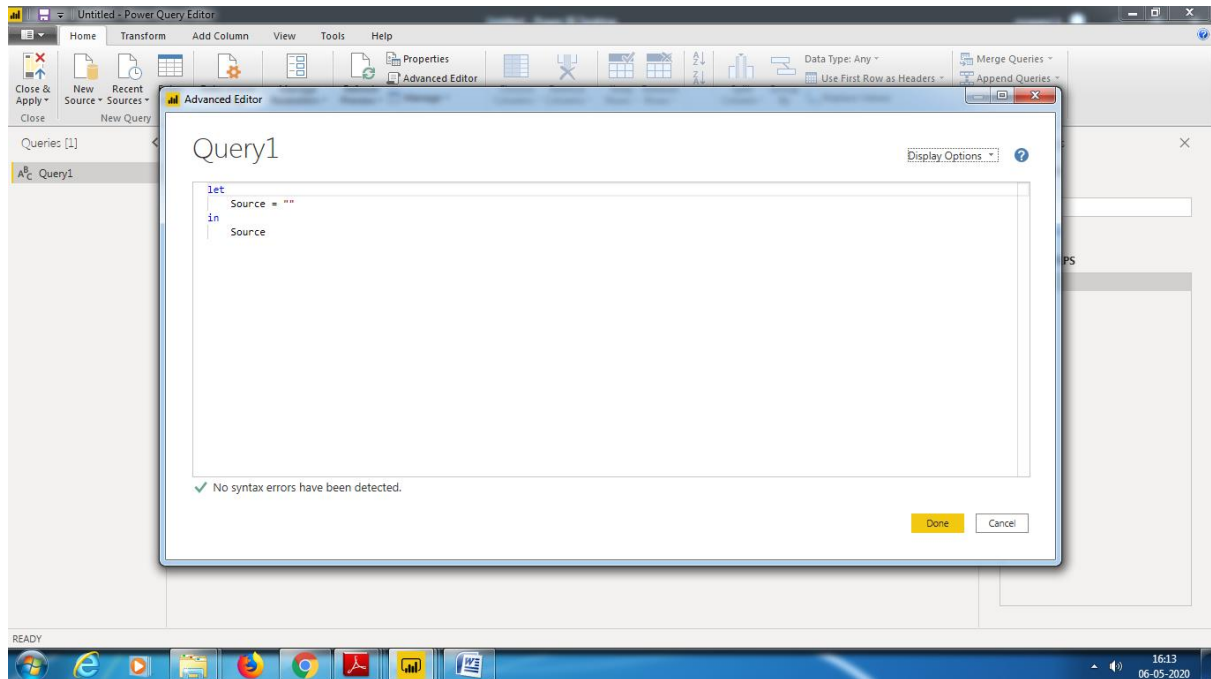
- **Prepare a document with details of the following along with their price**

**Power BI Desktop**

Free Application installed on local computer that lets us connect to, transform and visualize data.

- ➢ 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

**Features**

- ➢ Connect and import data from over 70 cloud-based and on-premises sources
- ➢ The same rich visualisations and filters from Power BI Pro
- ➢ Auto-detect that finds and creates data relationships between tables and formats
- ➢ Export your reports to CSV, Microsoft Excel, Microsoft PowerPoint and PDF
- ➢ Python support
- ➢ Save, upload and publish your reports to the Web and the full Power BI service
- ➢ Storage limit of 10 GB per user

**Cost :** Free

**Power BI Pro**

- ➢ Self-service and modern BI in the cloud
- ➢ Collaboration, publishing, sharing, and ad-hoc analysis
- ➢ Fully managed by Microsoft

**Features**

- ➢ 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

**Cost :** $9.99 monthly per user

**Power BI Premium**

- ➢ Enterprise BI, big data analytics, cloud and on-premises reporting
- ➢ Advanced administration and deployment controls
- ➢ Dedicated cloud compute and storage resources
- ➢ Allows any user to consume power BI content

## Features

- Increased data capacity limits and maximum performance
- Access to one API surface
- Ability to embed Power BI visuals into apps (PowerApps, SharePoint, Teams, etc)
- Larger storage sizes for extended deployments
- Geo distribution, higher refresh rates, isolation, pin to memory, read-only replicas
- Power BI Report Server

**Cost :** $4995 monthly price per dedicated cloud compute and storage resource with annual subscription

| | Power BI Pro | Power BI Premium |
|---|---|---|
| **Licensing differences** | | |
| Included with office 365 Enterprise E5 | ● | |
| Licensed per user | ● | |
| Licensed by dedicated cloud compute and storage resources | | ● |
| **Deployment and Administration** | | |
| On –premises reporting through Power BI report server | | ● |
| Compute processing environment | Shared | Dedicated |
| Deploy power BI content to multiple regions | | ● |
| Incremental data refresh | | ● |
| Publish reports to be shared | ● | |
| Maximum size of individual dataset | 1G | 10G |
| Maximum storage | 10G per user | 100TB |
| Maximum number of automatic refresh per day | 8 | 48 |
| **Data prep, modelling and visual creation** | | |
| AI powered data modelling using Auto-ML, cognitive services and Azure machine learning | | ● |
| **Content consumption** | | |
| Paginated reports provide fixed – layout documents optimized for printing and archiving | | ● |