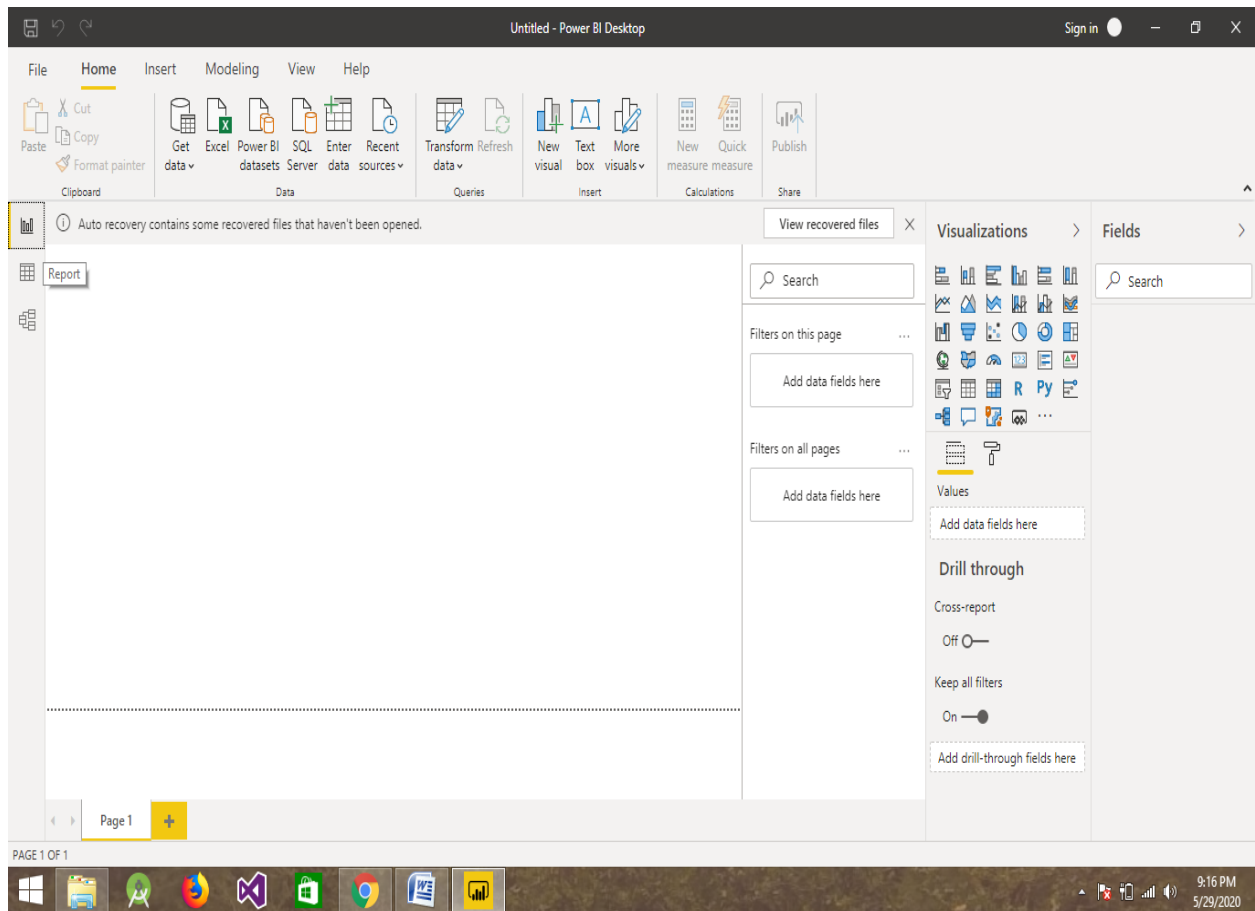


# Assignment - 1

**Q1.Install Power BI Desktop and share the final screenshot of the report view page which appears when power desktop starts.**

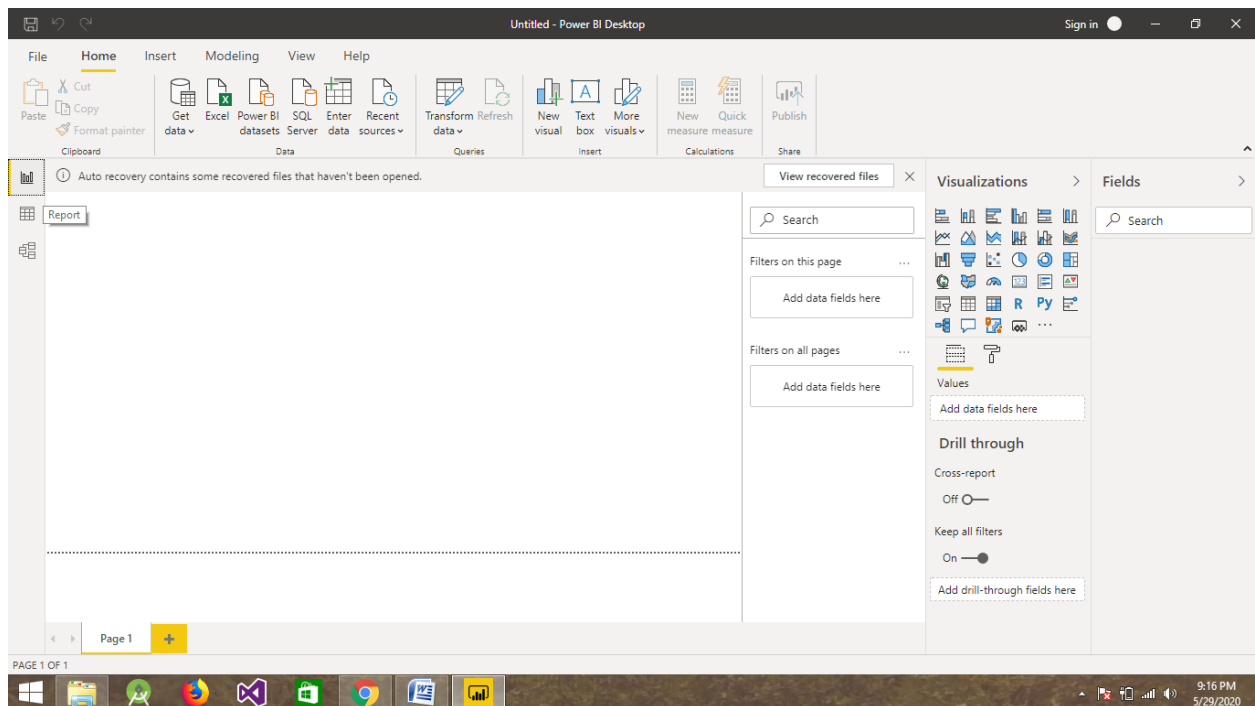


## Q2.Prepare a document and with the following screenshot

- Report View
- Data View
- Model View
- Power Query Editor
- Advance Editor

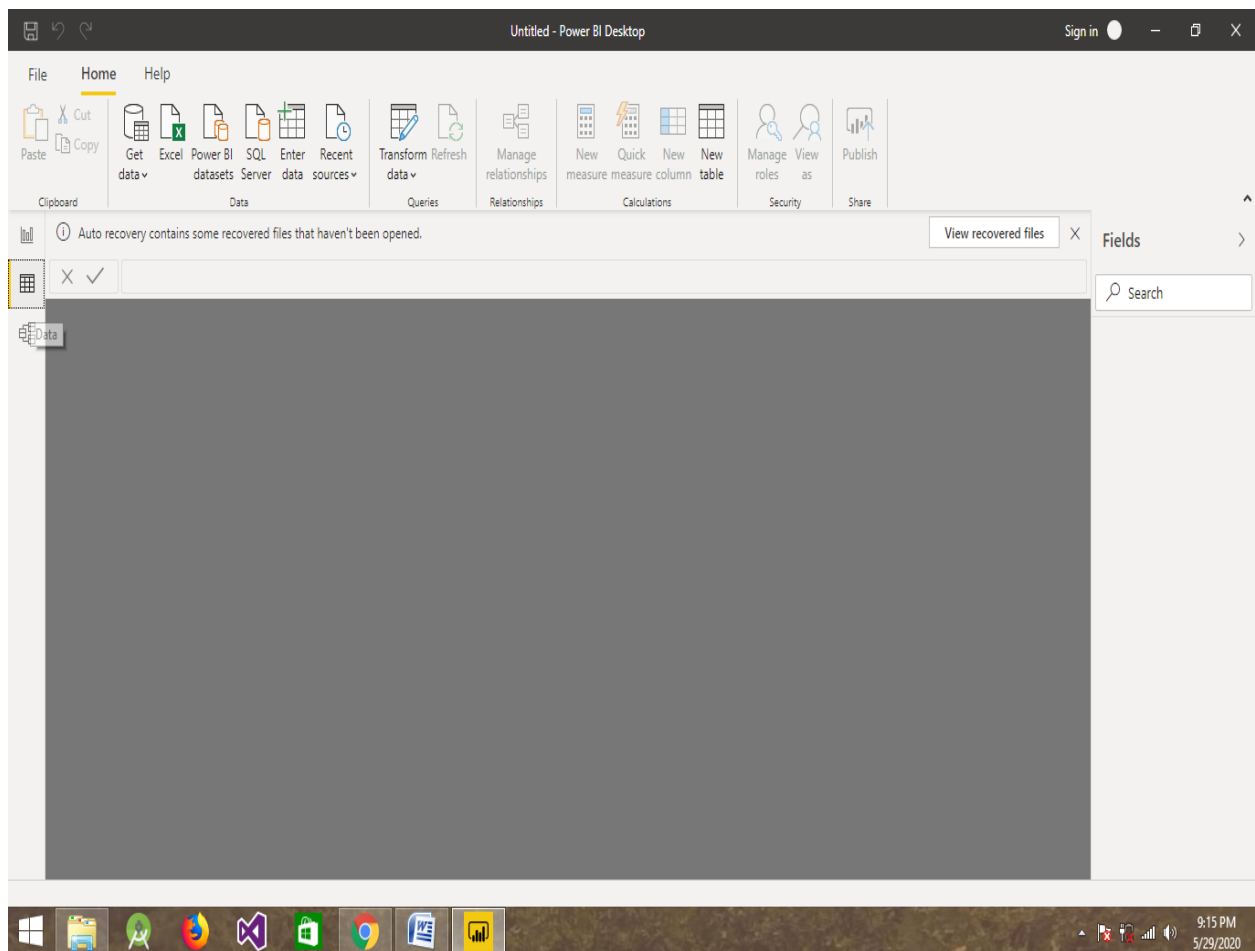
### ➤ Report View :-

- In report view we will create a dashboard.
- There are basically 3 steps to creating a report in Power BI Desktop –
  - Import Dataset to model
  - Use the Visualizations
  - Create a Report.



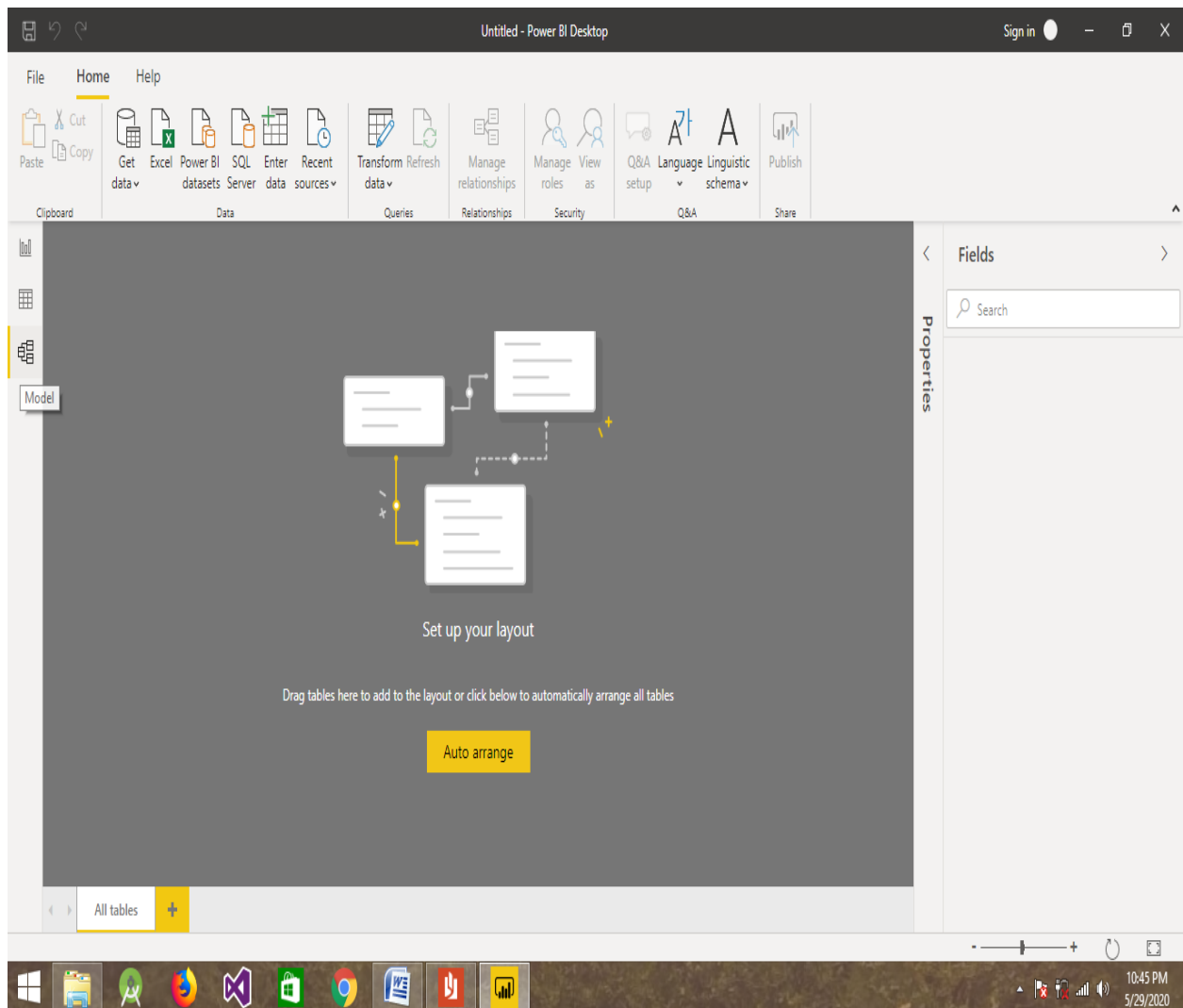
## ➤ Data View :-

- Data View helps to inspect, explore and understand data in the Power BI Desktop model.
- Data View shows data after it is loaded into the model.
- In Data View, you have a *Modeling Ribbon* option where you can manage relationships, create calculations, change data type, format data category for a column.
- In Data View, you have a Formula Bar option where you can create Data Analysis Expression (DAX) formulas for Measures and Calculated columns.
- You can also filter and sort data in Data View.



## ➤ Model View :-

Model View shows a graphical representation of the relationships that have been established in your data model and manage or modify them as needed.



## ➤ Power Query Editor :-

- Power Query Editor used to connect one or many data sources, shape and transform the data into Power BI Desktop.
- After establishing a data connection Power Query Editor appears four areas –
  - In the Ribbon, many buttons become 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, where you can display the data from the selected query and available for shaping.
  - The Query Setting Pane, it list the query's properties applied steps.

The screenshot displays the Power Query Editor window titled "PowerQueryEditor\_Assignment - Power Query Editor". The ribbon at the top includes tabs for File, Home, Transform, Add Column, View, Tools, and Help. The Home tab is active, showing options like Close & Apply, New Source, Recent, Enter Data, Data source settings, Manage Parameters, Refresh Preview, and Properties. The Transform tab is also visible, showing options like Choose Columns, Remove Columns, Keep Rows, Remove Rows, Sort, Split Column, Group By, Data Type: Text, Use First Row as Headers, Merge Queries, Append Queries, Combine Files, and Text Analytics. The left pane shows a list of queries, with "Employee Data" selected. The center pane displays a table with 25 rows and 6 columns: City, City Code, State, Employee Name, Salary LPA, and Variable. The right pane shows the "Query Settings" for "Employee Data", including the "PROPERTIES" section (Name: Employee Data) and the "APPLIED STEPS" section, which lists various transformations applied to the data, such as Source, Navigation, Promoted Headers, Changed Type, Split Column by Position, Split Column by Positions, Split Column by Position1, Split Column by Position2, Split Column by Position3, Changed Type1, Changed Type2, Changed Type3, Removed Columns, Merged Columns, Extracted Text Before Delimiter, Duplicated Column, Extracted Year, Duplicated Column1, Calculated Days in Month, and Renamed Columns.

	City	City Code	State	Employee Name	Salary LPA	Variable
1	Agra	[A1]	Uttar Pradesh	Bonnie	1080000	
2	Ahmedabad	[A5]	Gujarat	Bonnie	1770000	
3	Allahabad	[A2]	Uttar Pradesh	Bonnie	910000	
4	Amritsar	[A3]	Punjab	Bonnie	930000	
5	Aurangabad	[A8]	Maharashtra	Bonnie	950000	
6	Bangalore	[B1]	Karnataka	Bonnie	1820000	
7	Bareilly	[B2]	Uttar Pradesh	Ronnie	500000	
8	Bhopal	[B9]	Madhya Pradesh	Ronnie	1260000	
9	Chandigarh	[C9]	Chandigarh	Dwight	570000	
10	Chennai	[C7]	Tamil Nadu	Dwight	1860000	
11	Colimbature	[C7]	Tamil Nadu	Dwight	860000	
12	Delhi	[D3]	Delhi	Dwight	2060000	
13	Dhanbad	[D5]	Jharkhand	Leon	940000	
14	Faridabad	[F4]	Haryana	Melanie	1060000	
15	Ghaziabad	[G4]	Uttar Pradesh	Lorraine	1100000	
16	Guwahati	[G2]	Assam	Meredith	570000	
17	Gwalior	[G4]	Madhya Pradesh	Marcus	800000	
18	Howrah	[H7]	West Bengal	Kara	860000	
19	Hubballi-Dharwad	[H1]	Karnataka	Gwendolyn	520000	
20	Hyderabad	[H8]	Telangana	Gwendolyn	1790000	
21	Indore	[I1]	Madhya Pradesh	Gwendolyn	1290000	
22	Jabalpur	[J9]	Madhya Pradesh	Gwendolyn	800000	
23	Jaipur	[J6]	Rajasthan	Gwendolyn	1520000	
24	Jodhpur	[J6]	Rajasthan	Timothy	770000	
25						

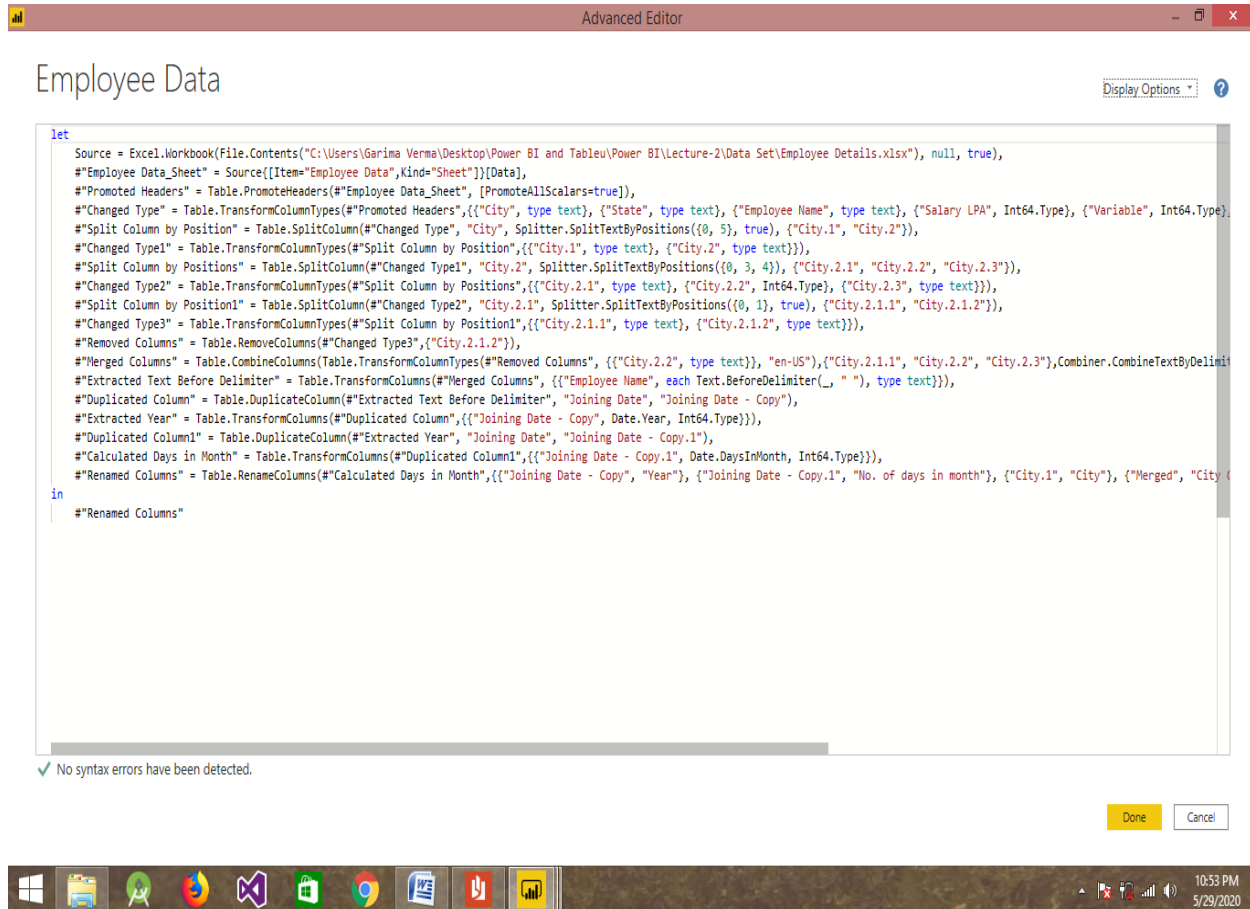
11 COLUMNS, 53 ROWS Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 10:51 PM

10:52 PM 5/29/2020

## ➤ Advance Editor :-

The Advance Editor helps you to see the code that Power Query Editor is creating with each steps. You can also create your own shaping code in Advance Editor.



### **Q3.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 which helps 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.
- Power BI Desktop create visuals, such as charts or graphs, that provide visual representations of the data.
- It create reports that are collections of visuals, on one or more report pages.
- Share report with others by using Power BI Service.
- There are three views in Power BI Desktop –
  - Report View
  - Data View
  - Model View

**Pricing :-** Power BI Desktop is free for individual users.

#### **➤ Power BI Pro :-**

- Power BI Pro is an individual user license that allows access to all content and capabilities in the Power BI Service.
- Pro Users can publish content to workspaces, share dashboard, and subscribe to dashboard and reports.
- Self-service and modern BI in the cloud.
- Collaboration, publishing, sharing and ad-hoc analysis.
- Fully managed by Microsoft.

**Pricing :-** The Cost of Power BI Pro is \$9.99 per user per month.

➤ **Power BI Premium :-**

- Power BI Premium consists of capacity in the Power BI Service exclusively allocated to each organization.
- 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 ability to maintain BI assets on-premises with Power BI Report Server.
- Dedicated cloud compute and storage resources.
- Allow any user to consume Power BI content.

**Pricing :-** Power BI Premium plan starts at \$4,995 monthly price per dedicated cloud compute and storage resource with annual subscription.