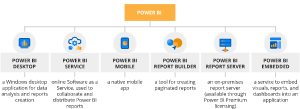
**Power BI Assignment 3**

1. List and explain different PowerBi products?

Microsoft Power BI is a collection of tools used to import, aggregate and present data in the form of immersive and easy-to-digest reports and visuals.



Power BI is recognized as a leader among analytics and [BI platforms](https://www.scnsoft.com/services/business-intelligence/solutions) by the major research companies (Gartner, Forrester, IDC, etc.). Best for data analysis for non-technical business users.

## Features Make Power BI an Industry Leader

### Data management

### Analytics

### Reporting

### Visualization

### Security

* **Artificial intelligence**. Users can access image recognition and text analytics in Power BI, create machine learning models using automated ML capabilities and integrate with Azure Machine Learning.
* **Hybrid deployment support**. This feature provides built-in connectors that allow Power BI tools to connect with a number of different data sources from Microsoft, [Salesforce](https://www.techtarget.com/searchcustomerexperience/definition/Salesforcecom) and other vendors.
* **Quick Insights.** This feature allows users to create subsets of data and automatically apply analytics to that information.
* **Common data model support**. Power BI's support for the common data model allows the use of a standardized and extensible collection of data schemas (entities, attributes and relationships).
* **Cortana integration**. This feature, which is especially popular on mobile devices, allows users to verbally [query](https://www.techtarget.com/searchdatamanagement/definition/query) data using [natural language](https://www.techtarget.com/whatis/definition/natural-language) and access results using [Cortana](https://www.techtarget.com/searchenterprisedesktop/definition/Cortana), Microsoft's [digital assistant](https://www.techtarget.com/searchcustomerexperience/definition/virtual-assistant-AI-assistant).

1. What limitations of Excel, Microsoft solved by PowerBi?

Main differences between Excel and Power BI. In contrast, Power BI can handle much larger amounts of data. Power BI can connect to many data sources, while Excel's connectivity capacity is limited. Also, unlike Excel, Power BI can be easily used from mobile devices.

1. Explain Power Query?

With Power Query (known as Get & Transform in Excel), you can import or connect to external data, and then shape that data, for example remove a column, change a data type, or merge tables, in ways that meet your needs.

1. Explain Power Map?

A power map lets you discover insights you might not see in traditional two-dimensional (2-D) tables and charts. With Power Map, you can plot geographic and temporal data on a 3-D globe or custom map, show it over time, and create visual tours you can share with other people.

1. How powerBi eliminated the need to host SharePoint Server on premises?

A deprecated feature is no longer being invested in by Microsoft and we discourage customers from taking a dependency on it if they haven't used it before. Deprecated features are still supported by Microsoft in SharePoint Server 2019 for customers who are already using this feature in previous releases and need the feature for backward compatibility.

A removed feature is no longer supported by Microsoft in SharePoint Server 2019. In many cases, the feature is removed from the product, but in some cases it may still be present. A feature labelled as "removed" is unsupported even if the feature is still present in the product.

Connect Power Bi to SharePoint on premise using Get Data

We have an on Premise 2013 SharePoint. we want to connect Power Bi desktop to the SharePoint sites to access excel files. We have tried using the root directory URL, the folder directory URL and we have not been able to connect. The error we get using windows credential is "Access to the resource is forbidden". The user creating the connection has full rights at the SharePoint web application level and can browse the SharePoint site and folders on a browser.

Please we need help to resolve the issue. Is there anything that need to be configured in SharePoint to allow Power Bi to connect successfully.

1. Explain the updates done in Power Bi Service (power BI 2.0) as compared to older version?

Power BI is significantly improved during the preview period. We can refresh on-prem datasets, we can modify the look and feel of the reports, we can share resources and much more now. For instance, go to [Power BI website](https://powerbi.microsoft.com/) and the first thing you can see is the Power BI logo is changed from Power BI Preview to Power BI.

* There are now two different sections in the “Get Data” of your workspace which each of them has two parts:

Content Pack Library

* + My Organisation: from here you can easily create your organisational content packs. A content pack is basically a single repository to keep datasets, reports, dashboards, Q&A, integration with other data sources, data refresh and more. You can also package up and publish your dashboards, reports and datasets with your colleagues in a specific group or the entire organisation. You can also browse the content packs that other people in your organisation published.
  + Services: you can use lots of online services built to connect to different platforms like Microsoft Dynamics CRM, Microsoft Dynamics Marketing, Visual Studio Online, and much more.

Import Or Connect to Data

* + Files: You can upload your reports, data or workbooks from Excel, Power BI Desktop or CSV files. The location of the files could be your local hard drive, on OneDrive Business or OneDrive Personal.
  + Databases: You can connect to Azure SQL Database, Azure SQL Data Warehouse, SQL Server Analysis Services Tabular Model or Azure HDInsight (Spark) and browse your live data.