**Assignment 1**

*Q1) what is BI?*

Business intelligence is the process of analyzing data in an organization to make informed business decisions. It’s an umbrella that covers the processes and methods of collecting, storing and analysing data from business operations or activities to optimise performance. BI covers a broad spectrum of technologies and methods, from the way that data is organized and analysed, all the way to how findings are reported. Business intelligence (BI) combines business analytics, data mining, data visualisation, data tools and infrastructure, and best practices to help organisations to make more data-driven decisions and use that data to drive change, eliminate inefficiencies and quickly adapt to market or supply changes.

*Q2) What are three basic Elements of Power BI?*

A Windows desktop application called **Power BI Desktop**.

An online SaaS (*Software as a Service*) service called the **Power BI service**.

**Power BI** **mobile apps** for Windows, iOS, and Android devices.

*Q3) What is power BI?*

Power BI is Microsoft's technology-driven interactive data visualization and analytics tool for business intelligence (BI). With Power BI, we can pull in data from a wide range of systems in the cloud and on premises and create dashboards that track the metrics we care about the most.

It's business analytics service provided by Microsoft that lets you visualize your data and share insights. It converts data from different sources to build interactive dashboards and Business Intelligence reports.

*Q4) Explain, how can we import data in power BI?*

In Power BI, click Get Data (highlighted below)

Graphical user interface, text, application, table

Description automatically generated

We can see different sources from where we can import data in Power BI like Excel, text/csv, databases, Microsoft Azure services, and many other third-party online services.

Graphical user interface, application

Description automatically generated

*Q5) Name some BI tools other than Power BI?*

* Tableau Desktop.
* Qlik Sense.
* SAP BusinessObjects BI Suite.
* Sisense Fusion Analytics.
* TIBCO Spotfire.
* Microstrategy.
* Looker.
* IBM Cognos Analytics.