**Power BI Assignment 1**

1. What do you mean by BI? Explain.

The term Business Intelligence (BI) refers to **technologies, applications and practices for the collection, integration, analysis, and presentation of business information**. The purpose of Business Intelligence is to support better business decision making.

1. How Power-BI helps in BI, and how does it help Analysts? Explain.

One of the main strengths of Power BI is its **intuitive user interface that allows both technical and non-technical analysts to build data visualizations and analyses efficiently**. The user-friendly drag-and-drop interface makes it easy to answer complex data-related questions without the need for programming skills.

1. Explain Descriptive analytics?

Descriptive analytics is **the process of using current and historical data to identify trends and relationships**. It's sometimes called the simplest form of data analysis because it describes trends and relationships but doesn't dig deeper.

1. Explain Predictive analytics?

Predictive analytics is **the use of data, statistical algorithms and machine learning techniques to identify the likelihood of future outcomes based on historical data**. The goal is to go beyond knowing what has happened to providing a best assessment of what will happen in the future.

1. Explain perspective analytics?

Prescriptive analytics is **the process of using data to determine an optimal course of action**. By considering all relevant factors, this type of analysis yields recommendations for next steps. Because of this, prescriptive analytics is a valuable tool for data-driven decision-making.

1. Write five real-life questions that PowerBi can solve.

Sales Insights, Data from old report, Excessive time spending to prepare presentatiom, Find specific data set, Combining various insights in a single dashborad