**Power BI Assignment 1**

Q1 What do you mean by BI? Explain.

Business intelligence (BI) is a set of strategies and technologies for analyzing business information and transforming it into actionable insights that inform strategic and tactical business decisions.

Business intelligence (BI) is a technology-driven process for analyzing data and delivering actionable information that helps executives, managers and workers make informed business decisions.

Q2. How Power-BI helps in BI, and how does it help Analysts? Explain.

Microsoft Power BI is used to find insights within an organization's data. It can help connect disparate data sets, transform and clean the data into a data model and create charts or graphs to provide visuals of the data. All of this can be shared with other Power BI users within the organization.

Power BI helps Analyst in following-

* Connect, prepare, and model. Connect to and transform data with advanced data preparation capabilities.
* Visualise. Create interactive data visualisations and uncover important insights.
* Publish and share.

Q3. Explain Descriptive analytics?

Descriptive analytics is a statistical interpretation used to analyze historical data to identify patterns and relationships. Descriptive analytics seeks to describe an event, phenomenon, or outcome. It helps understand what has happened in the past and provides businesses the perfect base to track trends.

Q4. Explain Predictive analytics?

Predictive analytics is a branch of advanced analytics that makes predictions about future outcomes using historical data combined with statistical modeling, data mining techniques and machine learning. Companies employ predictive analytics to find patterns in this data to identify risks and opportunities.

Q5. Explain perspective analytics?

Prescriptive analytics is a statistical method that focuses on finding the ideal way forward or action necessary for a particular scenario, based on data. Prescriptive analytics uses both descriptive and predictive analytics but the focus here remains on actionable insights rather than data monitoring.

Q6. Write five real-life questions that PowerBi can solve.

1. **Using Data From Old Reports**
2. **Excessive Time Spent Preparing For Presentations**
3. **Being Unable To Find Specific Data Sets**
4. **Waiting On Figures**