**Power BI Assignment 1**

1. What do you mean by BI? Explain.

**Ans:**

BI(Business Intelligence) is a set of processes, architectures, and technologies that convert raw data into meaningful information that drives profitable business actions. It is a suite of software and services to transform data into actionable intelligence and knowledge.

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

**Ans:**

Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights. Your data may be an Excel spreadsheet, or a collection of cloud-based and on-premises hybrid data warehouses. Power BI lets you easily connect to your data sources, visualize and discover what's important, and share that with anyone or everyone you want.

Power BI is a cloud-based analysis service that provides rapid insight and is used to extract and visualise data. Power BI brings together data from multiple sources to give you a comprehensive view of your company's information assets.

1. Explain Descriptive analytics?

**Ans:**

Descriptive Analysis is the type of analysis of data that helps describe, show or summarize data points in a constructive way such that patterns might emerge that fulfill every condition of the data. It is one of the most important steps for conducting statistical data analysis.

1. Explain Predictive analytics?

**Ans:**

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.

1. Explain perspective analytics?

**Ans:**

Perspectives are used within business analysis work to provide focus to tasks and techniques specific to the context of the initiative. Many initiatives will involve one or more perspectives.

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

**Ans:**

1. Waiting On Figures
2. Using Data From Old Reports
3. Excessive Time Spent Preparing For Presentations
4. Being Unable To Find Specific Data Sets
5. Not Being Able To Determine Your Level Of Success