**Power BI Assignment 1**

**What do you mean by BI? Explain.**

- BI is Business Intelligence tool. This application is basically used to retrieve, analyze, transform the raw data into effective visualization. Convert the unstructured data into structured data format.

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

- Power BI is a business Intelligence tool and data visualization tool which will help the businesses to analyse the data into picture format, by making most use of data. Visual representation of data helps humans to understand the data better.

**Explain Descriptive analytics?**

- Descriptive analytics is the interpretation of historical data to better understand changes that have occurred in a business. Use of historical data to draw some comparison to current trends. for example year on year change of petrol prices, month on month revenue.

**Explain Predictive analytics?**

- As the name says Predictive means we are predicting the future outcomes by using the current and historical data. We apply statistic, data mining tech, Machine learning and try to form some patterns.

**Explain perspective analytics?**

- Perspective analytics is the natural progression from descriptive and predictive analytics procedures, it focus on the best course of action at the given available data.

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

- Data Quality, most of us look for clean and structured data for analysis. Many a times data is uncleaned, blank, missing of words. such problems can be solved using power query.

- Representation, initially representation of visual happened in excel or power point which was complex to use. Power BI is easy to use and simple interfact.

- Getting the data from different source is tough, we had to wait for various department to send the data. While Power BI has solved this issue by connecting to various data source and accessing them direct.

- Automated reports, many reports or visual which are created can to emailed to business team at the given time automatically.

- Able to see the future trends using DAX query which will help the leaders and stakeholders to make a better business decision.