**Power BI Assignment 1**

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

BI means Business Intelligence which consist of processes, architectures, and technologies that convert raw data into information that drives business actions and just assumption or gut feeling

It also helps to create reports, dashboards, maps, graphs, and charts to providide business related solutions.

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

Power BI helps to give insight and helps to bring menaigful information with visualization, filtered result etc. Infact it helps data to speak about the with graphs, maps , table etc.

Every business comprise of data (either its own or similar to its own). These data can provide many information about detils , prediction etc about the business.

Power BI helps to load data such data from various tools and types and transorm it to make it aceesible for analytics engineers to derive insigts , forecast , planning etc.

**3 .Explain Descriptive analytics?**

For descriptive analytics mostly historical data is collected, organised and then presented in a way that is easily understood. It is focused only on what has already happened in a business. It can also be said as starting point used to inform or prepare data for further analysis down the line.

It is the most simplistic form of data analytics, descriptive analytics uses simple maths and statistical tools, such as arithmetic, averages and per cent changes. Visual tools such as graphs and pie and charts are used to present findings, meaning descriptive analytics .

**4.Explain Predictive analytics?**

Predictive analytics is the use of data, statistical techniques to identify the prediction or future outcomes based on available historical data. The main purpose is to go beyond knowing what has happened and help to forcast or identify predictionof what can happen.

E.g sales data of previous years can help to predict the sales in future based on month and region in future.

**5.Explain perspective analytics?**

After we predict a set of potential outcomes, prescriptive analytics helps to control those outcomes based on which are beneficial to business in the long run. Also it help to understand how and which variables (factors) can be choreographed to achieve the desired result.

Here we anticipates what, when and, importantly, why something happen. After considering all the possible implications of each option, recommendations can then be made in regard to which decisions will best take advantage of future opportunities or mitigate future risks.

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

1. It can help to give clear picture of history and current data for detailed information on business.
2. It can help non tech person or stakeholders who don’t have knowledge on data, coding etc to grasp the business progress and forecasting.
3. Real life data always are not in usable form to interpret. PowerBI helps to transform these tata which can be further used for analysis.
4. It helps to give global comparison and analysis of global data through maps.
5. It many a time helps to reduce or substitute complex coding in sql and python because of readily available options in its interface for creating dashboard .
6. Power BI reports are easy to share among team, company, client or publicly which helps to reduce the efforts and saves time.