1. What do you mean by BI? Explain.

Power bi is the tool of Microsoft Excel which is used for data visualization business intelligence technologies include [reporting](https://en.wikipedia.org/wiki/Business_reporting), [online analytical processing](https://en.wikipedia.org/wiki/Online_analytical_processing), [analytics](https://en.wikipedia.org/wiki/Analytics), [dashboard](https://en.wikipedia.org/wiki/Dashboard_(business)) development, [data mining](https://en.wikipedia.org/wiki/Data_mining), [process mining](https://en.wikipedia.org/wiki/Process_mining), [complex event processing](https://en.wikipedia.org/wiki/Complex_event_processing), [business performance management](https://en.wikipedia.org/wiki/Business_performance_management), [benchmarking](https://en.wikipedia.org/wiki/Benchmarking), [text mining](https://en.wikipedia.org/wiki/Text_mining), [predictive analytics](https://en.wikipedia.org/wiki/Predictive_Analysis), and [prescriptive analytics](https://en.wikipedia.org/wiki/Prescriptive_analytics).

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

[**Power bi** suite of business intelligence , reporting, and data visualization tools and services for businesses. It converts raw data into dashboards and visualizations.](https://www.kwixand.com/microsoft-power-bi)

Some of the benefits of power bi are

* Allows us to build personalized dashboards and interactive reports easily
* Gives you access to real-time information

### It Is affordable and cost-effective Enables collaboration through easy report sharing

* With power bi available on app store we can acess it from anywhere from the world.

1. Explain Descriptive analytics?

Descriptive analytics is the interpretation of historical data to better understand changes that have occurred in a business. Descriptive analytics describes the use of a range of historic data to draw comparisons between the data.

Descriptive analytics takes raw data and converts that data to draw conclusions that are useful and understandable by managers, investors, and other [stakeholders](https://www.investopedia.com/terms/s/stakeholder.asp).

1. Explain Predictive analytics?

predictive analytics term use of [statistics](https://www.investopedia.com/terms/s/statistics.asp) and modeling techniques to make predictions about future outcomes and performance. Predictive analytics looks at current and historical data patterns to determine if those patterns are likely to emerge again. This allows businesses and investors to adjust where they use their resources to take advantage of possible future events. Predictive analysis can also be used to improve [operational efficiencies](https://www.investopedia.com/terms/o/operationalefficiency.asp) and reduce [risk](https://www.investopedia.com/terms/r/risk.asp).

1. Explain perspective analytics?

Prescriptive analytics is a type of [data analytics](https://www.investopedia.com/terms/d/data-analytics.asp) that attempts to answer the question "What do we need to do to achieve this?" It involves the use of technology to help businesses make better decisions through the analysis of raw data. Prescriptive analytics specifically factors information about possible situations or scenarios, available resources, past performance, and current performance, and suggests a course of action or strategy. It can be used to make decisions on any time frame, from immediate to long-term. It is the opposite of descriptive analytics, which examines decisions and outcomes after the fact.

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

* Power bi can solve the problem of limited acess to the data.
* With power bi tool we can get much deeper understanding of our company performance and potential opportunities.
* Power bi solutions allow building a centralized data warehouse, while creating reports becomes extremely fast and easy.Therefore, we are able to spend the time saved on making efficient decisions.
* We can develop central location with the help of power bi, where all the data will be organized.
* Business intelligence can solve numerous problems, but the most obvious of them is getting actionable insights. BI services allow turning loads of information into a report, which is easy to understand. And, logically, getting actionable insights from such a report is much more possible than from multiple sources of data.