

POWER BIAssignment 1

① What do you mean by BI? Explain.

Ans. ① Business intelligence (BI) refers to the procedural and technical infrastructure that collects, stores and analyzes the data produced by company's activities.

② It uses data mining, process analysis, performance benchmarking, and descriptive analysis.

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

Ans. ① Power BI has a very simple and easy to use interface. No programming experience is required to use Power BI.

② Power BI Data modelling is purely derived on the fundamentals of Microsoft SQL server and Microsoft Access database. Hence users/programmers can easily adopt the modelling of Power BI.

③ Power BI comes with easy to collaborate options. The user can compile dashboards and reports into apps and can publish them to large audience. With small audience, mobile facility is also available.

④ It comes with wide coverage of databases.



③ Explain Descriptive analytics?

Ans ① This type of analytics answers the question, "What happened?"

- ② It is the process of using current and historical data to identify trends and relationships.
- ③ Useful for communicating change over time and uses trends as a springboard for further analysis to drive decision making.

④ Explain Predictive analytics?

Ans ① This type of analytics answers the question, "What might happen in the future?"

- ② It uses statistics and modeling techniques to determine future performance.
- ③ They look at current and historical data patterns to determine if those patterns are likely to emerge again.

⑤ Explain Prescriptive analytics?

Ans ① This type of analytics answers the question, "What should we do next?"

② It is a process that analyzes data and provides instant recommendations on how to optimize business practices to suit multiple predicted outcomes.

③ In other words simply, by considering all relevant factors, this type of analysis yields recommendations for next steps.



Q-⑥ write five real-life questions that Power BI can solve.

- Ans. ① Power BI allows you to access your company's data analytics almost instantly.
- ② Power BI can quickly and easily create visual representations of our data and provide stunning and accurate for your meetings, using Power BI's automated reporting tools can save hours of preparation.
- ③ Power BI allows IT members to publish data catalogs for others to view. This makes it easier for you to find the data sets needed to perform an analysis. Additionally using Natural language technology and its Question and Answer feature provides a more natural experience to locate and better understand your BI.
- ④ Can be fetched from wide range of data sources.
- ⑤ Accessed by anyone - tech or non-tech.