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

* Power BI is business analytics solution that lets you visualize the data and share the insights to the concern stakeholders and the business owners.
* Power BI Components:
  + Power BI Desktop
  + Power BI service (SaaS –Software as a Service)
  + Power BI Mobile Apps

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

* Power BI is used to find insights within an organization's data.
* Power BI can help connect disparate data sets, transform and clean the data into a data model and create charts or graphs to provide visuals of the data.
* All of this can be shared with other Power BI users within the organization.

**3.Explain Descriptive analytics?**

* It helps us to organize and summarize data using numbers and graphs to look for a pattern in the data set.
* Measures of Central tendency: Mean, Median, Mode.
* The measure of Variability: Standard Deviation, Variance & Range.

**4. Explain Predictive analytics?**

* Predictive analytics is the use of statistics and modelling techniques to determine future performance based on current and historical data.
* In other term, Predictive analytics is a branch of advanced analytics that makes predictions about future outcomes using historical data combined with statistical modelling, data mining techniques and machine learning.

**5.Explain perspective analytics?**

* Prescriptive analytics is the process of using data to determine an optimal course of action.
* By considering all relevant factors, this type of analysis yields recommendations for next steps.
* Because of this, prescriptive analytics is a valuable tool for data-driven decision-making.

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

* Waiting On Figures
* Business Intelligence solutions: Access to the data is limited.
* Performance management is far from perfection
* Business Intelligence solutions: Creating multiple systems takes too much time.
* Only tech teams can develop custom reports.
* Business Intelligence solutions: Day-to-day operations are not organized.
* Using Data from Old Reports