

## Assignment 3

① List and Explain Power BI product ?

Ans → Data Management :-

① Data Ingestion :- Ingesting various relational data, streaming data, data structure.

② Power BI data flows :- Self Service ingestion of data.

③

→ Analytics

① Data Modeling :- Auto ML / Azure ML etc.

② Quick Insights

③ Predictive Analytics.

→ Reporting

① Enterprise wide reporting

② Scheduled reporting

③ Ad-hoc reporting

④ Requested reporting.

⑤ Mobile reporting.

→ Visualization :- ① Drill down functionality.

② Pre-built visuals.

③ Natural language user interface.



② What limitations of Excel, Microsoft solved by Power BI?

Sol: → ① Power BI app offers branded reports when compared to Excel.

② Provides advance features in the reports filtering between the charts.

③ User can refresh data in Power BI.

④ Offers high level analysis.

⑤ Capable of handling large datasets.

⑥ DAX language used for querying model.

⑦ Faster and handling of process and operations.

③ Explain Power Query?

Sol: → Power Query is a data transformation and data preparation engine.

→ It comes with a graphical interface for getting data from the sources.

→ Power Editor applies the transformations.

→ Using Power Query, we can perform the ETL (Extract, Transform, Load) of the data.

④ Explain Power Map?

Sol: → Power Map is an Add-In that is a part of the BI (Business Intelligence) Suite and is used to map geographic data.

→ The features of Power Map are:-

① Map data:- Place millions of data on maps.

② Discover Insights:- Gain new understanding by viewing your data in geographic space and seeing time-stamped data change over time.

③ Share Stories:- Capture screenshots, and build automatic guided video tours you can share broadly, engaging audiences like never before.



⑤ How Power BI eliminated the need to host share-point server on premises?

Sol- ① Automatic versioning :- It preserves a draft every time a document is updated or revised.

② Built in integration :- Integrates various tools.

③ File check in :- Keeps track of who is working on a document at any given time.

④ Custom workflows :- Speed up process like the document review.

⑥ Explain the updates done in Power BI Service (Power BI 2.0) as compared to older version?

Sol- ① Contributors :-

~~Create~~ Create, edit, publish, delete content in the workspace. cannot modify members or cannot publish app.

② Members :- Publisher update App. Share or allow others to reshare items.

③ Administrators :- Delete and update workspace.

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