

Power BI Assignment

Q1

What do you mean by BI? Explain.

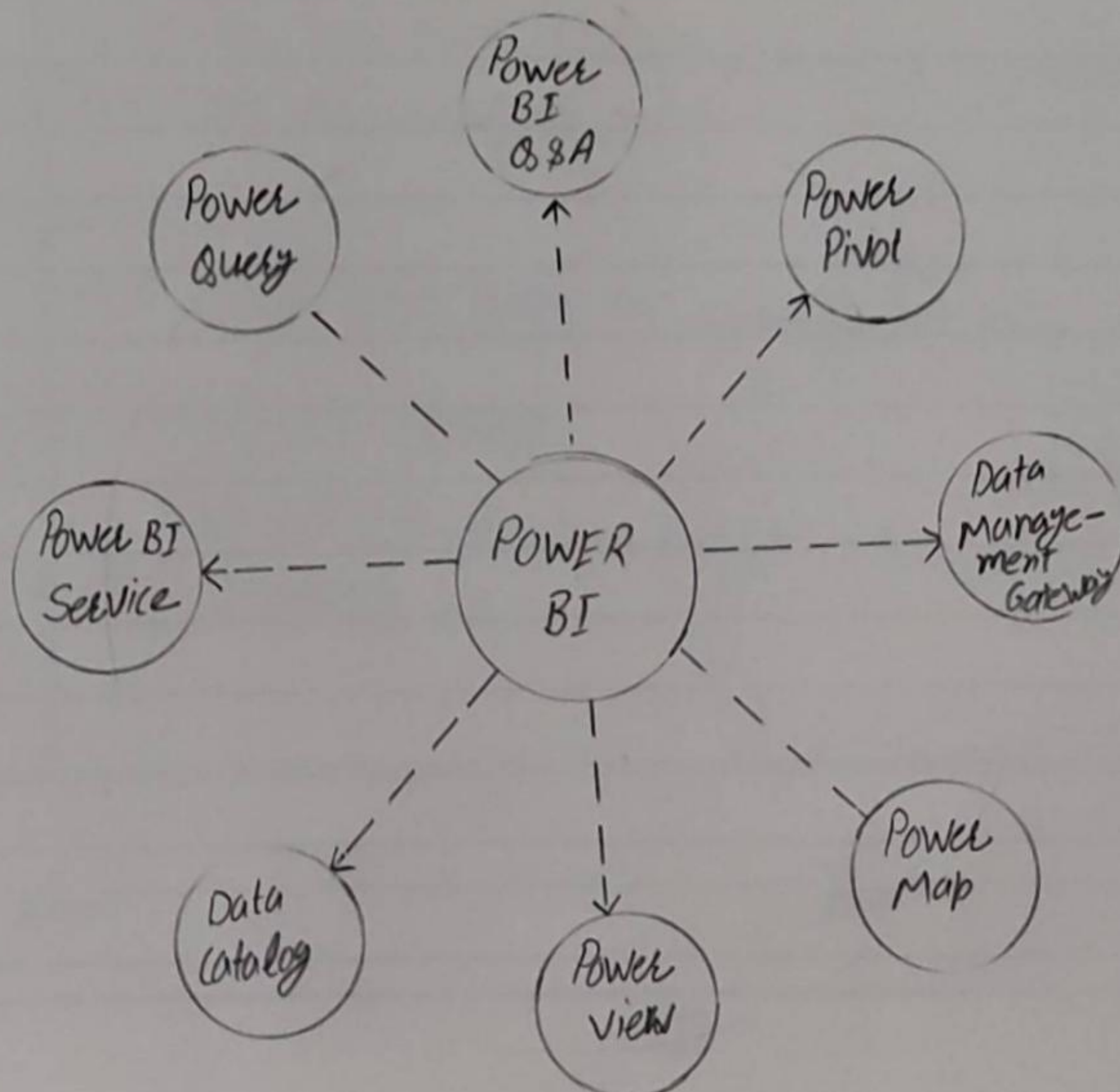
Ans

Power BI is a cloud-based business analysis & intelligence service by Microsoft. It is a collection of business intelligence & data visualization tools such as software service, apps and data connectors.

Microsoft offers three types of Power BI platforms :-

- Power BI Desktop (A desktop application)
- Power BI Service (SaaS i.e., Software as a service)
- Power BI Mobile (For ios & Android devices)

Components of Power BI



Power Query

- We use this service to access, search & transform data from public or local/internal data sources.

Power Pivot

- This service provides tools to model data taken from the in-memory data source to use it for analytics.

Power Map

- It comes with tools & capabilities to visualize Geo-spatial data or information in the 3D model in a map. You can use these map in a Power BI report.

Power BI Desktop

- It is a companion development tool for Power View, Query & Power Pivot. You can import data from a data source, prepare & transform. It is used in visualization to create reports in Power BI Desktop.

Power View

- This service has many tools to geographically represent data using visuals & use them for analysis.

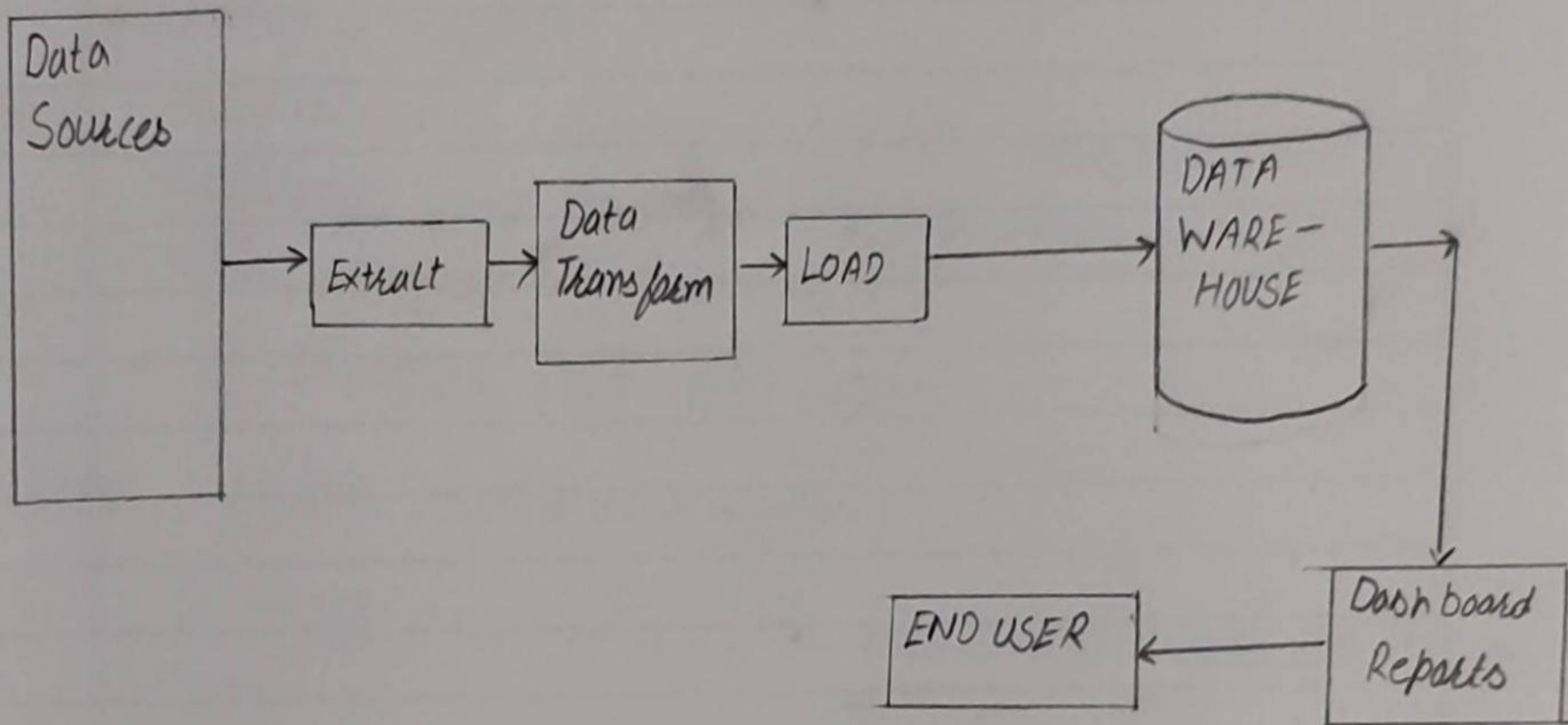
Data Catalog

- The data catalog option offers the capability to search & reuse queries.

Data Management Gateway

- This component manages the periodic data refreshes, data feed viewing & table exposing.

Architecture of Power BI



Ques Explain Descriptive analytics?

It deals with past & present performance going on
Usually deals with two questions.

1) What was happening?

2) What is happening?

Characterized by traditional business intelligence (BI) & Visualization such as pie charts, bar charts, line graphs tables or generated narratives.

- BI Developers works here always.

Ques Explain Predictive analytics?

It totally deals with Future predictions which has to be taken.

What will happen?

Ques Explain prescriptive analytics?

Prescriptive analytics is a form of data analytics that helps businesses make better and more informed decisions. Its goal is to help answer questions about what should be done to make something happen in the future.

Ques Write five real-life question that Power BI can solve.

- Power BI solved access to the data is limited
- Performance management is far from Perfection
- Creating multiple system takes too much time
- Day to day operations are not organized.
- The market is not responsive enough.