

Question 1: What is Power BI and why is it used in businesses?

Answer:

Power BI is a business intelligence and data visualization tool developed by Microsoft. It enables organizations to collect data from multiple sources, process and analyze it, and present the results in the form of interactive reports and dashboards. Power BI helps users transform raw data into meaningful

Question 2: Name and explain the three main components of Power BI.

Answer:

Power BI is a business intelligence tool developed by Microsoft. It consists of three main components that work together to collect, analyze, visualize, and share data-driven insights. These components are

Power BI Desktop, Power BI Service, and Power BI Mobile.

Question 3: Explain the Power BI Workflow

Answer:

The Power BI workflow explains the step-by-step process used to convert raw data into meaningful insights and interactive reports. It ensures data accuracy, proper modeling, and effective visualization for decision-making.

The main steps involved in the Power BI workflow are as follows:

Question 4: List any four data cleaning tasks that can be performed in Power Query

Answer:

Power Query is a powerful data transformation tool in Power BI that helps in cleaning and preparing raw data before analysis. Proper data cleaning ensures accuracy, consistency, and better reporting results. Some common data cleaning tasks performed in Power Query are:

Question 5: Write step-by-step instructions to load the Real_Estate dataset in Power BI.

Answer:

To analyze any dataset in Power BI, the first step is to correctly load the data into Power BI Desktop. The following steps explain how to load the *Real_Estate* dataset in a systematic manner:

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**Question 6: Define Data View,
Report View, and Model View.
Explain the purpose of each
view.**

Answer:

Power BI provides three main views that help users manage data, build reports, and define relationships. Each view has a specific role in the report development process.

1. Data View

Question 7: Discuss the different data sources that Power BI supports.

Answer:

Power BI supports a wide variety of data sources, which makes it a powerful and flexible business intelligence tool. These data sources can be broadly classified into the following categories:

1. File-Based Sources

Power BI can connect to different file

Question 8: Split Owner Name to create two new columns as First Name and Last Name (Real_Estate Dataset).

Answer:

To split the Owner Name column into First Name and Last Name, the following steps are performed using Power Query in Power BI:

Steps in Power Query: