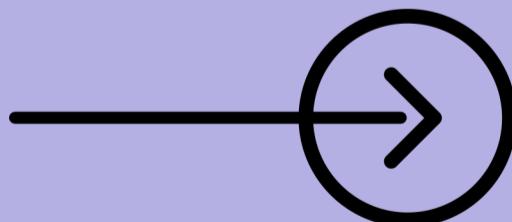


Part - 6

# Power Query Interview Questions and Answers...!



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# **What is the storage engine used in Power Query and What does it do?**

**The storage engine used in Power Query is called the **Mashup Engine**.**

**The Mashup Engine is a crucial part of Power Query responsible for data extraction, transformation, and loading processes.**

**It executes M language queries, applies transformations like filtering and merging tables, and prepares data for analysis.**



**any example of how  
Mashup Engine works?**

# how the Mashup Engine works

- **Sure! Let's say you connect Power Query to an Excel file.**
- **The Mashup Engine connects to the file, extracts data according to your query (like fetching specific columns or rows),**
- **Applies any transformations you've set (such as converting text to dates or merging multiple sheets),**
- **and then loads this transformed data into Power BI for analysis.**

Does it handles both extracting  
and transforming data?



## Extracting and transforming

- Exactly! It manages the entire process from connecting to various data sources, performing necessary transformations, and finally loading the cleaned data into Power BI.
- This ensures that the data is ready for visualization and analysis.

Why is the Mashup Engine

important in Power Query?



## Importance of mashup engine

- The Mashup Engine ensures efficient data preparation by processing M language queries and managing data workflows seamlessly.
- This makes it easier for analysts and data professionals to handle complex data transformations directly within Power BI



toda short me btao na...!

## In short:

- **The Mashup Engine in Power Query is the storage engine that handles all ETL operations, ensuring efficient data extraction, transformation, and loading.**
- **It processes M language queries and manages data workflows, making it a critical component for preparing data in Power BI**



# **1. How does the Mashup Engine handle different types of data sources, such as relational databases versus web services?**

→ The Mashup Engine in Power Query is versatile enough to connect to various data sources like Excel files, SQL databases, web services, and more.

**It uses connectors specific to each data source type to establish connections, fetch data, and apply transformations uniformly across different sources.**



**Next Question**

## **2. What are the performance considerations when using the Mashup Engine for large datasets?**

→ **Performance in Power Query depends on factors like data volume, complexity of transformations, and network speed. The Mashup Engine optimizes data retrieval and transformation operations,**

**but users should consider filtering data early in the process and minimizing unnecessary transformations to enhance performance.**



**Next aane do** 😊

### **3. How does the Mashup Engine handle errors during data extraction and transformation?**

→ The Mashup Engine provides error handling mechanisms such as generating error messages, skipping problematic rows, or applying fallback values.

**Users can configure these options to ensure data integrity and manage exceptions effectively during the ETL process.**



## **4. Can you explain the role of the M language in the context of the Mashup Engine?**

→ **The M language, also known as Power Query Formula Language, is used to define data transformation steps within Power Query. The Mashup Engine interprets and executes M language queries to perform operations like filtering, merging, and aggregating data before loading it into Power BI.**

**It provides a powerful scripting capability for data preparation tasks.**

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