1. **Explain the advantages of Natural Queries in PowerBi with an example**

Natural Language Queries in Power BI empower users to interact with data effortlessly, promoting a more inclusive and efficient data analysis experience. It democratizes access to insights, making it easier for everyone in the organization to make data-driven decisions.

1. **Explain Web Front End(WFE) cluster from Power BI Service Architecture**

the WFE cluster in Power BI Service architecture ensures efficient handling of user requests, high availability, and scalability, making it an essential component for delivering a seamless user experience.

1. **Explain Back End cluster from Power BI Service Architecture**

The **Back End cluster** in Power BI Service architecture is responsible for handling various core functionalities that are essential for data processing, storage, and management. It operates behind the scenes to ensure that the service runs smoothly and efficiently.

1. **What ASP.NET component does in Power BI Service Architecture.**

ASP.NET is integral to the WFE cluster in Power BI Service Architecture, ensuring efficient content delivery, user authentication, and seamless interaction between users and backend services.

1. **Compare Microsoft Excel and PowerBi Desktop on the following features:**
2. **Data import (2) Data transformation (3) Modeling (4) Reporting (5) Server**

**(6) Deployment (7) Convert Models (8) Cost**

| **Feature** | **Microsoft Excel** | **Power BI Desktop** |
| --- | --- | --- |
| **Data Import** | Supports importing data from various sources (e.g., CSV, Excel files, SQL databases) via Power Query. | Supports importing data from a wide range of sources (e.g., databases, web services, cloud services) via Power Query. |
| **Data Transformation** | Offers data transformation capabilities through Power Query, but with some limitations in handling large datasets[\_{{{CITATION{{{\_2{Power BI vs Excel | Top 12 Differences (with Infographics)](https://www.wallstreetmojo.com/power-bi-vs-excel/). |
| **Modeling** | Uses PivotTables and PivotCharts for data modeling, but with limited capabilities compared to Power BI[\_{{{CITATION{{{\_2{Power BI vs Excel | Top 12 Differences (with Infographics)](https://www.wallstreetmojo.com/power-bi-vs-excel/). |
| **Reporting** | Generates reports using charts, tables, and PivotCharts[\_{{{CITATION{{{\_2{Power BI vs Excel | Top 12 Differences (with Infographics)](https://www.wallstreetmojo.com/power-bi-vs-excel/). Limited interactivity and customization options[\_{{{CITATION{{{\_2{Power BI vs Excel |
| **Server Deployment** | Requires manual sharing of files (e.g., via email, SharePoint)[\_{{{CITATION{{{\_2{Power BI vs Excel | Top 12 Differences (with Infographics)](https://www.wallstreetmojo.com/power-bi-vs-excel/). No built-in cloud deployment[\_{{{CITATION{{{\_2{Power BI vs Excel |
| **Convert Models** | Limited model conversion capabilities[\_{{{CITATION{{{\_2{Power BI vs Excel | Top 12 Differences (with Infographics)](https://www.wallstreetmojo.com/power-bi-vs-excel/). |

6**. List 20 data sources supported by Power Bi desktop**

Sure! Here are 20 data sources supported by Power BI Desktop:

1. **Excel Workbook**
2. **Text/CSV**
3. **XML**
4. **JSON**
5. **Folder**
6. **PDF**
7. **Parquet**
8. **SharePoint Folder**
9. **SQL Server Database**
10. **Access Database**
11. **SQL Server Analysis Services Database**
12. **Oracle Database**
13. **IBM Db2 Database**
14. **IBM Informix Database (Beta)**
15. **IBM Netezza**
16. **MySQL Database**
17. **PostgreSQL Database**
18. **Sybase Database**
19. **Teradata Database**
20. **SAP HANA Database**