**Power BI Assignment 2**

1. Explain the advantages of Natural Queries in PowerBi with an example?
2. Explain Web Front End(WFE) cluster from Power BI Service Architecture?
3. Explain Back End cluster from Power BI Service Architecture?
4. What ASP.NET component does in Power BI Service Architecture?
5. Compare Microsoft Excel and PowerBi Desktop on the following features:

Data import

Data transformation

Modeling

Reporting

Server Deployment

Convert Models

Cost

1. List 20 data sources supported by Power Bi desktop.

**Answers :**

1. It is easy for use. Natural queries allows users to ask questions in plane English

Natural queries can be processed more quickly that traditional sql queries. It can save the time and improve the prouctivity.

Natural queries are more accurate.

Natural queries can be used to ask a wider range of questions.

Ex. What is the average salary by product category in the last quarter ?

1. The web front end cluster is a critical component of the power bi service architecture. It is responsible for serving power bi reports and dashboards to users. The WFF cluster is a distributed clusters of web servers that are load balanced. This means that requests from users are distributed evenly across the servers in the cluster.

5) Microsoft Excel Power BI

It supports a wide varie it include Excel files, CSV, SQL

Data import Of data sources like Excel cloud based data sourses.

files, CSV, and SQL database.

Data it include filters, pivote tables it include power queries for

Transformation and formulas for transforming transform the data.

Provides basic modelling it provides creatin data models

Modelling capabilities, such as creating and relationships between data

Calculated fields and measures sets.

Provides a variety of reports provides creating interactive

Reporting templetes and tools for creating dashboards and reports that

Reports. Can be shared with others.

Can be deployed on primises can be deployed on premises or in

Server or in the cloud the cloud.

Deployment

Convert can convert excel models to can convert excel models to power

Models power bi models bi models.

Free for personal use. Paid free for personal use. Paid plans

Cost plans available for businesses. Available for businesses.

6) Excel files Microsoft Acces Web pages

CSV files Salesforce power BI dataset

Text files Google Analytics power BI embedded

SQL files Azure analysis server power BI API

Oracle sharepoint online Azure Bold storage

IBM DB2 OData