Ineuron power bi Assignment-2

1.Explain the advantage of natural queries in power bi with example?

Natural Queries help ease access to BI data and improve analytic insights.Natural queries is designed to simplify the user interface in BI applications.

Examples:

* Simplifying Employee access to Bi data.
* Driving deeper business insights.
* Reducing confusion about analytics results.
* Applying structure to unstructured data

2.Explain WebFrontEnd cluster from powerbi service architecture?

The WFE cluster is responsible for initial connection and authentication to the power bi service and once authenticated the Back End handles all subsequent user interactions.

3.Explain Back End Cluster from power bi service architecture?

The back-end cluster manages datasets,visualizations,data connections,reports and other services in power bi.These components are mainly responsible for authorizing,routing,authentication and load balancing.

4.What ASP.NET component does in power bi service architecture?

ASP.NET component plays a major role while publishing reports and dashboards to workpace where stakeholder interact with it in front end provided by power bi service.

5.Compare Microsoft Excel and Power bi Desktop on following features:

Data import

Data Transformation

Modeling

Reporting

Server Deployment

Convert Models

Cost

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| Features | Excel | Power BI |
| Data import | It uses power Query to extract and fetch data from several types of data sources. | It uses power Query to extract and fetch data from several types of data sources. |
| Data Transformation | It connect different sources. | Power Bi have power query connecting with different data sources and building data models using M language. |
| Modeling | It will give better picture of your data | You can do advance data modeling and create graphs and charts.It handle large amount of data. |
| Reporting | It can process and proide the meaningful insights. | Power bi reports are more interactive than Excel reports. |
| Server Deployment | It does not have cloud based deployment option. | Power BI have cloud based deployment. |
| Convert Models | Excel can connect to excel spreadsheets,relational databeses,Data warehouses,flat files | Power bi can also connect to excel spreadsheets,relational databeses,Data warehouses,flat files |
| Cost | We already have Excel we need to spend additional money to procure this and build dashboards. | Power BI Desktop is free to download and use for personal use, but it takes  $10 per month per user to share reports with others. |