**POWER BI ASSIGNMENT 2**

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

ANS: The Power BI implementation includes two major clusters. Such as a Web Front End (WFE) cluster, and a Back-End cluster. The Web Front End cluster manages the initial connection between the back end cluster and the clients. It uses AAD (Azure Active Directory) to authenticate clients.

2.Explain Back End cluster from Power BI Service Architecture?

ANS. The Back-End cluster determines how authenticated clients interact with the Power BI service. The Back-End cluster manages visualizations, user dashboards, datasets, reports, data storage, data connections, data refresh, and other aspects of interacting with the Power BI service.

3.Compare Microsoft Excel and PowerBi Desktop on the following features:

Data import

Data transformation

Modeling

Reporting

Server Deployment

Convert Models

Cost

ANS. Power BI has faster processing than Excel. Power BI dashboards are more visually appealing, interactive and customizable than those in Excel. Power BI is a more powerful tool than Excel in terms of comparison between tables, reports or data files. Power BI is more user friendly and easy to use than Excel.

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

ANS. Excel Workbook

Text/CSV

XML

JSON

Folder

PDF

Parquet

SharePoint folder