**Power BI Assignment 2**

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

Answer :

Advantages:

1. NLQ is a unique self-service BI Experience.
2. Every question is understood by guided NLQ
3. NLQ makes it simple to ask complex questions.
4. It’s easy embed NLQ into your applications.

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

Answer :- The Web Front End cluster manages the original Power BI link and authentication process using AAD to authenticate customers and provide tokens for subsequent Power BI customer links.

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

Answer:- How authenticated customers interact with the Power Bi service is the Back-End cluster. The Back-End cluster manages visualization, user dashboards, datasets, reports, data storage, information links, information refresh, and other elements of Power Bi service interaction.

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

Answer :- The ASP.NET component within the WFE cluster parses the token to determine which organization the user belongs to, and then consults the power bi global service.

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

Answer :- Excel Power Bi

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| --- | --- | --- |
| Data Import | Power bi has 160+ sources data sources to import | Excel has only 2 or 3 data type sources. |
| Data Transformation | a) Power BI can connect to many data sources. | Excel connectivity capacity is limited. |
| Modelling | Power BI has faster processing than excel. | Excel is not that much interactive and customizable than power bi. |
| Reporting | Simpler and loss attractive reports than those of Power Bi | More beautiful, personalized, attractive and interactive charts. |
| Server Deployment | - | Power BI |
| Convert Models |  |  |
| Cost | Payment tool | It has a free version and a payment version |

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

Answer: -

1. MS-Excel Workbook
2. Text/CSV
3. XML
4. JSON
5. Sql Server Database
6. Access Database
7. Oracle Database
8. Mysql Database
9. PostgreSQL Database
10. Google Big Query
11. Snowflake
12. Azure Sql Database
13. Power BI Datasets
14. Google Analytics
15. Adobe Analytics
16. Github
17. Linkdin Sales Navigator
18. Spark
19. RScript
20. Python Script