1. Natural queries help us in exploration of data using our own words. Eg: "Which country has the least profit percentage?" can help in identifying the region to be focussed more and the result is obtained without any hassle.
2. It is one of the two clusters on which Microsoft Power BI service is based on. Front End Cluster manages the initial connection to the service.
3. It is one of the two clusters on which Microsoft Power BI service is based on. Once the initial connection and authentication is done, the following interactions of user are handled by Back End Cluster.
4. ASP.NET component of Power BI service architecture makes it easy to embed Power BI reports into a Front-End Application. This is an advantage of Power BI over other tools.

|  |  |  |
| --- | --- | --- |
| Parameters | MS Excel | Power BI |
| Data Import | Limited Sources to connect to | Large variety of sources to connect to |
| Data Transformation | Manual intervention is in high requirement | An array of templates is readily available. |
| Modelling | Solely suited for comparatively simpler data models | Complex modelling can be done |
| Reporting | Apt for comparatively simpler charts and reporting mechanisms | Complex charts and reporting mechanisms are possible. |
| Server deployment | Needs to be done in a roundabout way | Available in association with the application |
| Convert Models | Comparatively cumbersome | Easy to do |
| Cost | Advance version is comparatively costly | Advanced version is comparatively cheaper |

6.

|  |
| --- |
| 1. Excel Workbook |
| 1. Text/CSV |
| 1. XML |
| 1. JSON |
| 1. Folder |
| 1. PDF |
| 1. Parquet |
| 1. SharePoint folder |
| 1. SQL Server database |
| 1. Access database |
| 1. SQL Server Analysis Services database |
| 1. Oracle database |
| 1. IBM Db2 database |
| 1. IBM Informix database (Beta) |
| 1. IBM Netezza |
| 1. MySQL database |
| 1. PostgreSQL Database |
| 1. Sybase Database |
| 1. Teradata database |
| 1. SAP HANA database |