POWER BI

* Power bi is business intelligence tool .
* Power bi is used to analyze data,clean data and convert data into visual formats where we can create different reports and different dashboards.
* In other words power bi is a collection of components.(power query ,power pivot, power view ,power bi service).
* Power query is ETL tool which will extract transform,load the data .
* Power pivot is used for data modelling.
* For example ,when we have multiple resource ..in order to have relationship between them we use power pivot.
* Power view is used to make more than 256 charts ie) bar chart ,pie chart ,donut chart
* These charts will be useful for presentations ,reports ,dashboards etc.
* Power bi service is used for user interaction between users via reports.

Why power BI?

* search volume in google using google trends.
* Power bi has maximum number of features.(1200 different functions,we can create approx. 280 visuals)
* It is the cheapest bi tool.its is hardly 10 dollars per user per month .
* Data connectivity-it can import data from 100 different data sources.
* Recognized by gartner.
* Gartner is a company which compares all the bi products in the market.

How power bi works?

There are two parts:

Power bi desktop

Power bi service

* Power bi desktop is a developer tool ,it is desktop application where we can download and install.
* Power bi can access data from excel ,sql,cql ,outlook,sharepoint,pdf and website.
* Power bi service is online tool ,its is used for sharing & collaboration.
* After collecting data,data cleaning ,data modelling can be done and then charts can be created.
* Once reports have been created it need to be sent to other people ..in order to that it can be forwarded to power bi service .
* Bi service will be responsible in sending the reports to different people across the world belonging to various dept,organizations or individuals.

Basic charts in power bi desktop

* Column chart
* Stacked column chart
* Bar chart
* Donut chart
* Pie chart
* Funnel chart
* Ribbon chart

Pie chart

Its practiced to use pie chart ,for the column which has less than 5 distinct values.

RLS:

It stands for row level security.

It helps to implement restrictions on data row access.

Two types of rls: static and dynamic

Most preferred one in organisation is dynamic.

Workspace:

Myworkspace completely belong to the user.no one will be able to see that but workspace will be collaborated either with client or team.