**Power BI**

It is a cloud based data sharing environment and it allows anyone to analyze and visualize the data with greater efficiency, speed and understanding.

**SSBI**

*Self Service Business Intelligence*

It is an approach to do the data analytics that enables us to filter the data and to segment the data and to analyze their business data without in-depth of the technical knowledge.

So, SSBI has made it easier for end users to access their business data and create various visuals to get better insights

Two parts of SSBI:

1. XLVI tool kit
2. Power BI

XLVI toolkit allows users to create interactive report by importing data from different sources and models.

Power Bi is the online solution that enables you to share it with the multiple people and interactions

**Difference Between Power BI Desktop and Power BI:**

Power BI Desktop is a desktop version and Power BI is a cloud version.

**Key components (Building Blocks) of Power BI:**

1. *Visualization*

It is a visual representation of a data is a kind of data representation platform

Ex: pie chart, line chart

1. *Data set*

Data sets is a collection of data that power bi is going to use for its visualization.

Ex: Excel sheet, SQL Server table

1. *Report*

Report is a collection of visualization that appear together on one or more pages

Ex: Sales by country, Sales by state, Sales by city report

1. *Dashboard*

It is a single layer and it’s an important key component for the power bi visualization tool is a single layer representation of multiple observations

1. *Tiles*

It is a single visualization in your report or a dashboard. So, in your dashboard we will be keeping one tile one box that’s nothing but a tile.

Ex: pie chart in the dashboard

**DAX**

The queries which we run on the top of the SSA tabular model those are called as M Dax queries now so that’s are the one which will help us to provide some basic calculations and data analysis in the Power Bi. So we use data analysis expression.

DAX is nothing but a data analysis expression so it is a formula language used to compute calculated column and the calculated fields and DAX is going to work on the column values wit help of the data.

With the help of DAX we can create measures and column.