

Q7. How many types of views available in Power-Bi? what are the names of views?

In Power BI, there are mainly two types of views available:

Report View: This is the default view in Power BI, where you can create and view reports. In this view, you can add visualizations, apply filters, and create calculated fields. You can also create bookmarks to save different views of your report.

Data View: This view allows you to see and modify the underlying data of your report. You can use this view to add or remove columns, create relationships between tables, and apply transformations to the data.

Additionally, Power BI also has a third view called the "**modelling View**", which is used for creating and modifying the data model, but it's not a standalone view like the other two. It's accessed through the Report or Data view, by clicking on the "modelling" tab in the left-hand pane.

Q8. How many types of relationship are there in Power-Bi? How many types of relationship are there in excel? Mention name what is the difference between relationship in excel and power bi?

In Power BI, there are three types of relationships that can be created between tables:

One-to-Many: This is the most common type of relationship in Power BI. In this relationship, one record in the first table (the "one" side) can have many related records in the second table (the "many" side). This relationship is denoted by an arrow pointing from the "one" side to the "many" side.

Many-to-One: This relationship is the opposite of the one-to-many relationship. In this relationship, many records in the first table can be related to a single record in the second table. This relationship is denoted by an arrow pointing from the "many" sides to the "one" side.

Many-to-Many: In this relationship, many records in the first table can be related to many records in the second table. To create a many-to-many relationship, a bridge table is required that acts as a link between the two tables.

In Excel, there are also two types of relationships:

One-to-One Relationship: In this type of relationship, each value in one table is related to one and only one value in another table.

One-to-Many Relationship: This is the same as the one-to-many relationship in Power BI.

The main difference between relationships in Excel and Power BI is that in Excel, relationships are limited to the data within a single worksheet, whereas in Power BI, relationships can be created between tables in different datasets. Additionally, Power BI offers more advanced relationship options, such as the ability to create bi-directional relationships and manage cross-filtering behaviour between tables.

Q9. what is mean by modeling? how many types of modeling available in power bi explain it?

In Power BI, modeling refers to the process of creating relationships between tables, defining calculated columns and measures, and creating hierarchies and other metadata to help organize and analyse data.

There are three types of modeling available in Power BI:

Physical modeling: This involves defining the structure of the underlying data, such as the tables, columns, and relationships.

Logical modeling: This involves creating calculated columns, measures, and other metadata to help users analyse and interpret the data.

Semantic modeling: This involves creating a user-friendly representation of the data, such as hierarchies, KPIs, and other visualizations.

physical modelling is the foundation for logical and semantic modeling.