

1. What is a primary key in a table?

A primary key is a column (or a set of columns) that uniquely identifies each row in a table.

2. Name the two types of table relationships in Power BI.

1) One-to-Many (1:*) : The most common, where one record in a table relates to many in another.

2) Many-to-Many (:): When both tables can have multiple related records.

3. How do you create a relationship between two tables in Power BI?

1) Go to the Model view (click the diagram icon on the left sidebar).

2) Click and drag a column, for example CustomerID, from one table and drop it onto the matching column in another table.

3) Power BI will automatically create a relationship — usually One-to-Many (1:*) .

4. What is a "star schema"?

A star schema is a data model which is one central fact table (like Sales), it is connected to multiple dimension tables (Customer, Products, Date, etc.). The structure looks like a star.

5. Which table is typically the fact table in a sales dataset?

The Sales table is the fact table because it contains transactional data (OrderID, Quantity, Dates).

7. Why is ProductID in Sales.csv a foreign key?

Because Sales[ProductID] references the unique ProductID in the Products table — it connects to a primary key in another table.