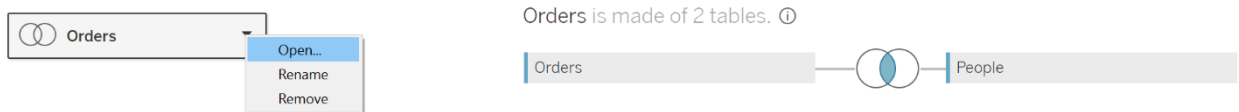


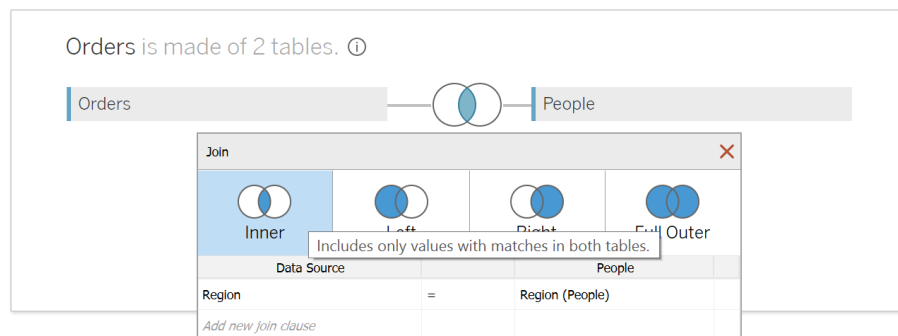


EXERCISE 01: Joins in Tableau

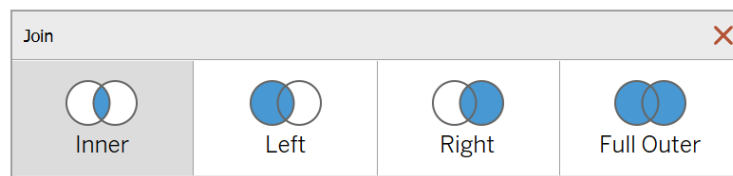
1. Load the **Sample – Superstore** dataset into your Tableau.
2. Drag the **Orders** table first to the **Drag Sheets here** area (The logical layer (the upper-level canvas)). Then double click on it. This opens the physical layer view below (used for joins).
3. Drag the **People** table near to **Orders** table into the physical layer area. Tableau will auto-join the two tables using an inner join, as shown in the following figure:



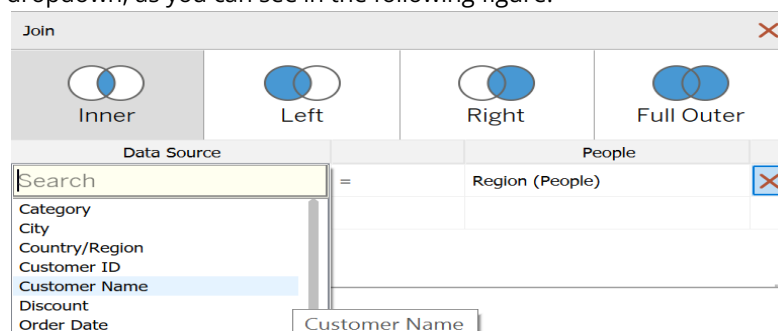
4. Click on the **Join symbol** to open the Join menu:



Note the various ways to join data. By default, Tableau performs an inner join on the common field names:



5. If there are no common names, select the columns manually to enable the join. Since you are joining the **Orders** and **People** tables, join on **Customer Name** from **Orders** and **Person** from People. First, de-select **Region**, which is auto-selected by Tableau. To do this, click on **Region** and select **Customer Name** from the dropdown, as you can see in the following figure:





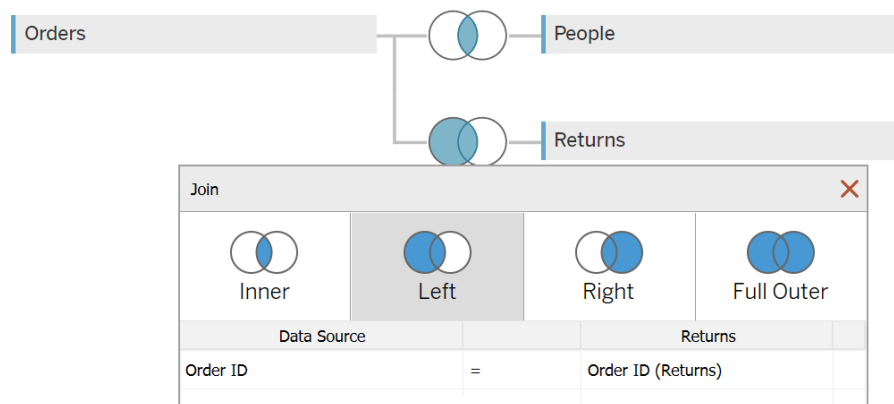
6. Repeat the same for the **People** table and select **Person** as the joining column. Your joined columns should be as follows:

Orders		23 fields 58 rows				58	→ rows
Table Details	#	Abc			Abc	Abc	
	Orders	Orders	Orders	Orders	Orders	Orders	
	Row ID	Order ID	Order Date	Ship Date	Ship Mode	Customer ID	
	196	CA-2016-1400...	21-03-2016	25-03-2016	Standard Class	CB-12025	
	197	CA-2016-1400...	21-03-2016	25-03-2016	Standard Class	CB-12025	
	660	CA-2017-146563	24-08-2017	28-08-2017	Standard Class	CB-12025	
	661	CA-2017-146563	24-08-2017	28-08-2017	Standard Class	CB-12025	
	662	CA-2017-146563	24-08-2017	28-08-2017	Standard Class	CB-12025	

7. Explore other joins and notice number of records and how data affected

In all the preceding exercises, you joined on only two data sources. It is possible to add more than two data sources. You will just need to specify in the join connection how the tables join to each other.

Orders is made of 3 tables. ①



The preceding figure shows an example join on the Orders table with the People and Returns tables. If there were a common field between the Returns and People tables, you could also join these two tables as per your requirements.