**Assignment 2:**

**Building Table Relationships with Excel's Data Model**

Using the **FoodMart\_Data\_Model**workbook, complete the following steps.

**1)** In **Diagram View** of the data model, use the "**Manage Relationship**" window to delete all existing table relationships

**2)** In **Diagram View**, draw out each relationship to recreate the fully connected data model:

* Connect**Transactions** to **Customer\_Lookup**,**Store\_Lookup** and **Product\_Lookup**
* Connect **Transactions** to **Calendar\_Lookup** on both *transaction\_date* (***active***) and *stock\_date* (***inactive***)
* Connect **Returns** to **Store\_Lookup**, **Product\_Lookup** and **Calendar\_Lookup**
* Connect **Store\_Lookup** to **Region\_Lookup**

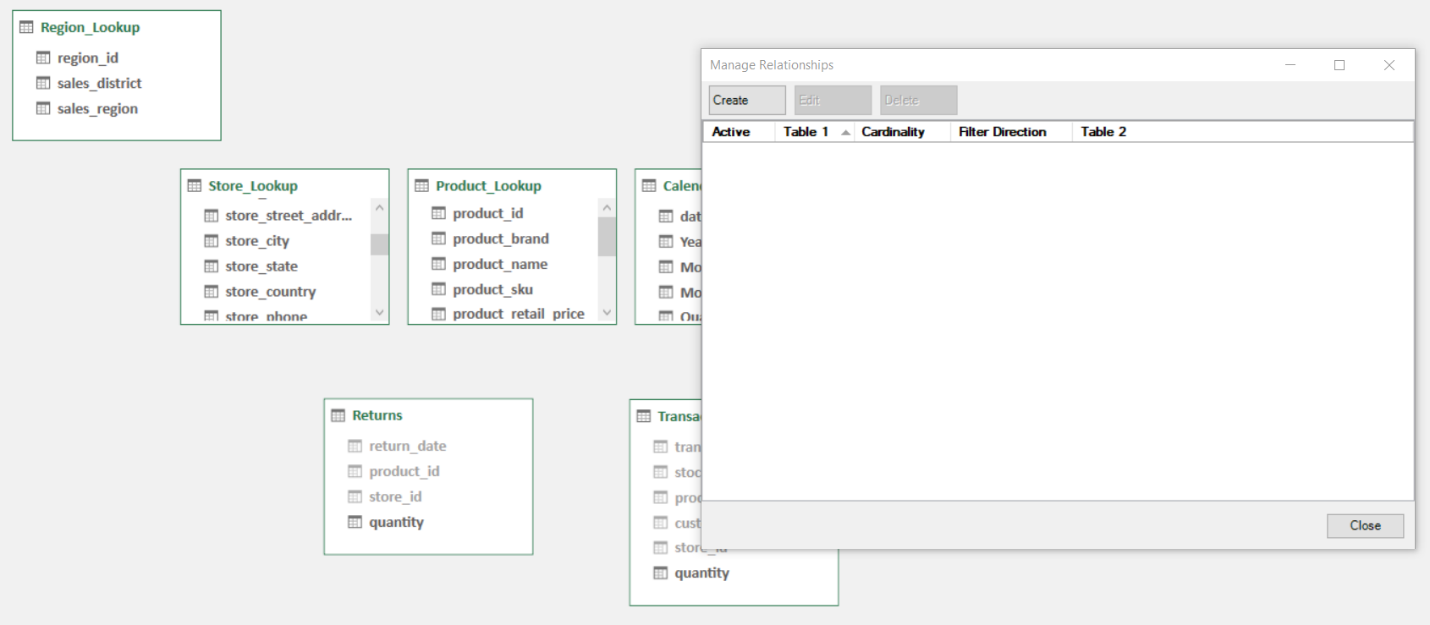
**3)** Try creating a relationship between *Transaction\_Date* and *Return\_Date*. What happens, and why?

**4)** Hide all foreign key columns in the **Transactions** table using the **Diagram View**, then hide all foreign key columns in the **Returns** table by selecting the column headers in the**Data View**.

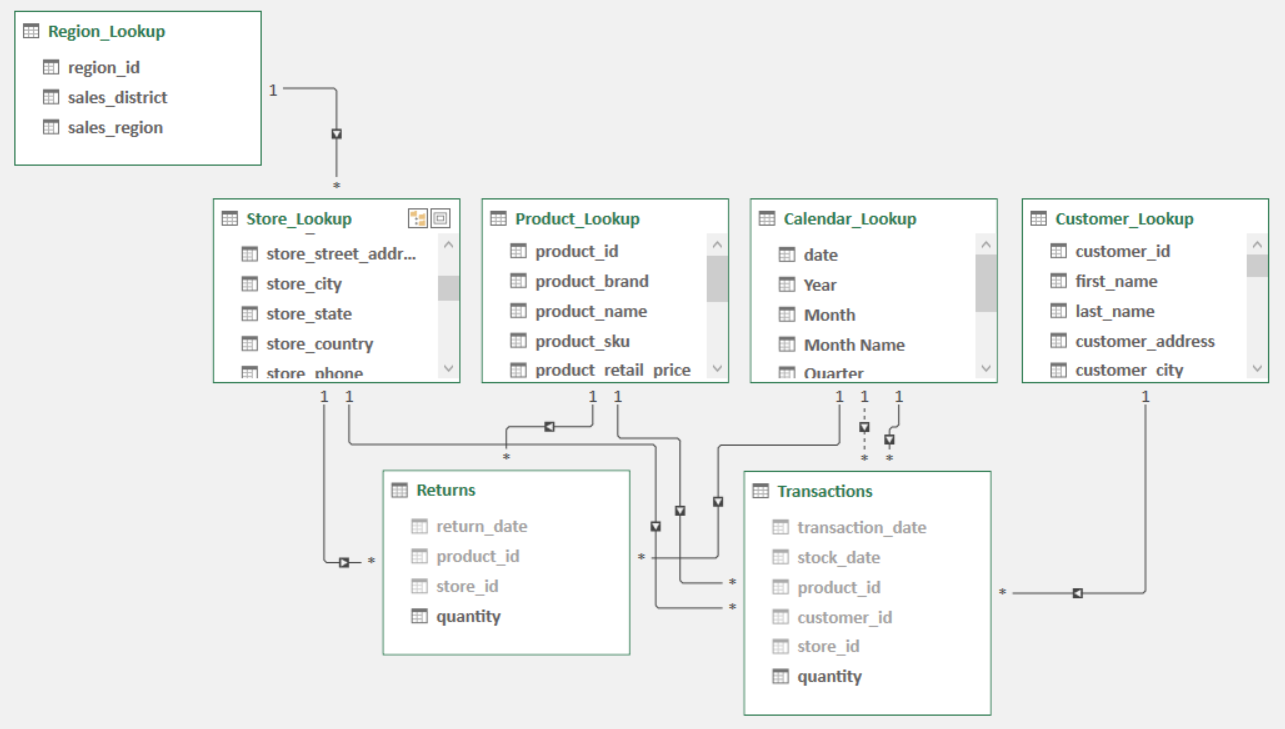
**5)** Create a **hierarchy** in the **Product\_Lookup** table named *product\_set*, containing *product\_brand*, *product\_name*, and *product\_sku* (in that order)

**ANSWERS:**

**1)** *See image below:*

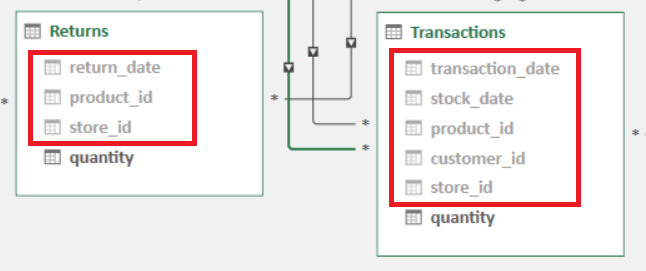


**2)** *See image below:*



**3)** *The relationship cannot be created because each column contains duplicate values. This represents a "many-to-many" relationship*

**4)** *See image below:*



**5)** *See image below:*

