Practice Level 2: Isolating Nonmatches

In this practice, you use the Query Builder to identify employees who did not make donations.

1. If necessary, in the **Lesson4** project, add the **employee_donations** table to the Practices process flow.

   - Select **File > Open** and navigate to the course data location.
   - Select **employee_donations > Open**. The data appears on a new tab in the work area.

2. Build a query to join the **employee_master** table with **employee_donations**. Name the query **Employees Without Donations Query** and the table **no_donations**.
   - Modify the join properties to include all rows from the **employee_master** table.
   - Include all columns from the **employee_master** table.
   - Filter the data to include only the missing **Employee_ID** values from the **employee_donations** table. This isolates those employees who do not appear in the **employee_donations** table.

   - In the process flow, hold down the Ctrl key and select the **employee_donations** and **employee_master** tables.
   - Right-click one of the tables and select **Query builder**.
     - Enter **Employees Without Donations Query** in the Query name field.
     - Click **Change** and enter **no_donations** in the File name field.
     - Click **Save**.
   - Modify the join properties to include all rows from the **employee_master** table.
     - Click **Join Tables** to open the Tables and Joins window.
     - Right-click the Venn diagram that connects the two tables and select **Properties**.
     - In the Join Properties window, change the join type to **All rows from the left table given a condition (Left Join)**.
       Note: A left join assumes that the table on the left is **employee_master**. If **employee_donations** is on the left, then perform a right join by selecting **All rows from the right table given a condition (Right Join)**.
     - Click **OK > Close**.
   - Include all columns from the **employee_master** table.
     - Drag the **t1(employee_master)** table to the **Select Data** tab.
   - Filter the data to include only the missing **Employee_ID** values from the **employee_donations** table.
     - Click the **Filter Data** tab.
     - Drag **Employee_ID** from the **employee_donations** table onto the tab area.
     - In the New Filter Wizard, change the operator to **Is missing**.
     - Click **Finish**.

3. Run the query. How many rows are in the **no_donations** table?

   Click **Run** to execute the query. 925 rows are in the table.

4. Close all of the tabs except for the process flow and save the **Lesson4** project.

Hide Solution