

Combining and Manipulating Data

- Demonstration: Joining Tables

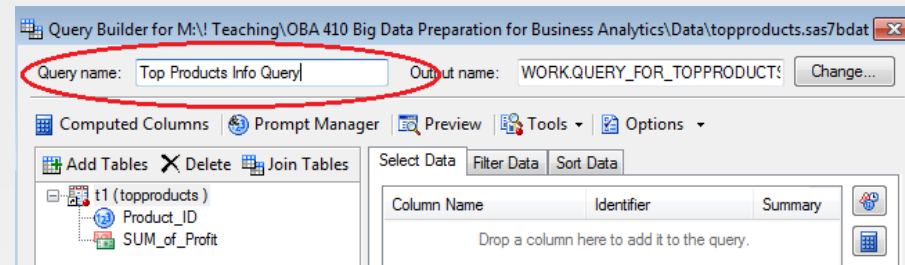
Combining and Manipulating Data

- Demonstration: Joining Tables
 1. Create a new project, add the **topproducts** SAS data set.
 2. Add the **products** SAS data set to the project.
 3. Add the **country_lookup.xlsx** file to the project. Name the imported table **country_lookup** and select the **First row of range contains field names** check box. Do not make any changes to the field attributes.
 4. Right-click **topproducts** in the Project Tree or Process Flow and select **Query Builder....**

Combining and Manipulating Data

- Demonstration: Joining Tables

5. Name the query Top Products Info Query and the output table topproductsinfo.

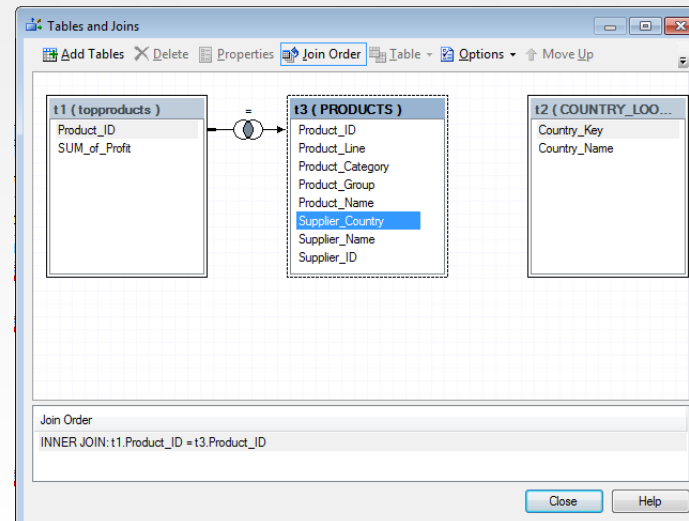


6. Select **Add Tables**. Verify that the **Project** icon is select in the Open Data window. Hold down the CTRL key and select **products** and **country_lookup** tables. Select **Open**.
7. A message appears and indicates that SAS Enterprise Guide was unable to find matching columns on which to join in all three tables. Select **OK**.

Combining and Manipulating Data

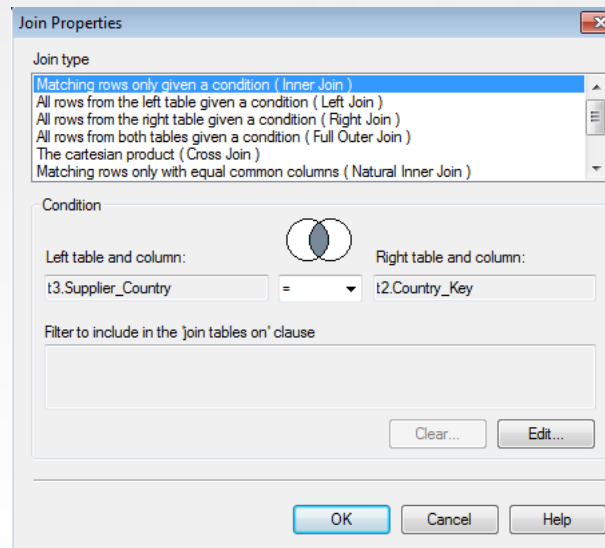
- Demonstration: Joining Tables

- The Tables and Joins window automatically opens. To join the **products** and **country_lookup** tables, first select **Supplier_Country** in the **products** table. Select **Supplier_Country** a second time and drag it to connect it to **Country_Key** in the **country_lookup** table.



Combining and Manipulating Data

- Demonstration: Joining Tables
 9. The Join Properties dialog box automatically opens. Verify that the join type is **Matching rows only given a condition (Inner Join)** and that the condition is **t2.Supplier_Country = t3.Country_Key**. Select **OK > Close** to return to the Select Data tab.

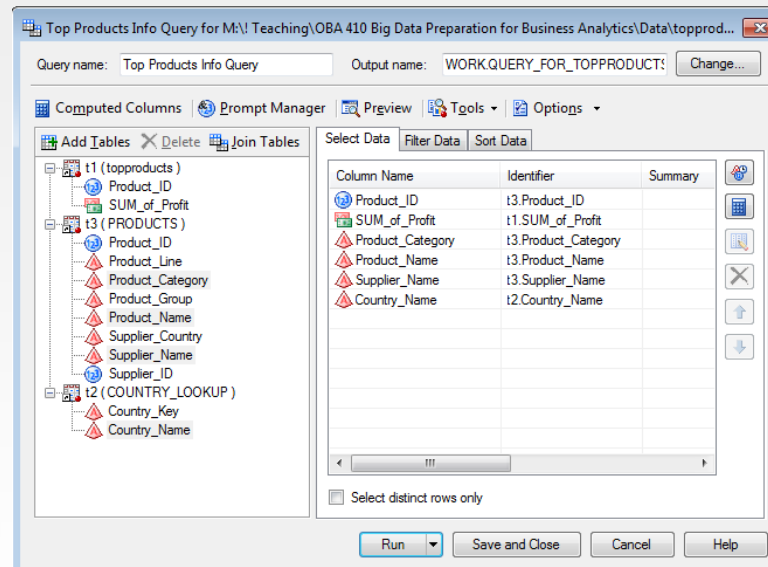


Combining and Manipulating Data

- Demonstration: Joining Tables

10. Double-click on the following columns to add each to the Select Data tab:

Product_ID, **SUM_of_Profit**, **Product_Category**, **Product_Name**, **Supplier_Name**, and **Country_Name**.



Combining and Manipulating Data

- Demonstration: Joining Tables

10. Select **Run** to execute the query. Verify the results and save the project.

abd02d01 - SAS Enterprise Guide

File Edit View Tasks Program Tools Help | Log Process Flow

Project Tree

- Process Flow
 - customers
 - Characterize Data
 - products.xls
 - Import Products
 - topproducts
 - Top Products Info Query
 - country_lookup.xls
 - Import Data (country_lookup.xls|Countr
 - Data Imported from products.xls
 - Data Imported from country_lookup.xls

Top Products Info Query

Input Data (3) | Code | Log | Output Data

Modify Task | Filter and Sort | Query Builder | Data | Describe | Graph | Analyze | Export | Send To

	Product_ID	SUM_of_Profit	Product_Category	Product_Name	Supplier_Name	Country_Name
1	230100200025	\$602.60	Outdoors	Feelgood 55-75 Li...	Toto Outdoor Gear	Australia
2	230100500026	\$689.75	Outdoors	Trekking Tent	Prime Sports Ltd	United Kingdom
3	230100700008	\$1,578.50	Outdoors	Family Holiday 4	Petterson AB	Sweden
4	230100700009	\$1,660.65	Outdoors	Family Holiday 6	Petterson AB	Sweden
5	230100700011	\$1,322.00	Outdoors	Hurricane 4	Petterson AB	Sweden
6	240100400043	\$679.20	Assorted Sports Artid...	Perfect Fit Men's...	Twain Inc	United States
7	240100400098	\$755.70	Assorted Sports Artid...	Rollerskate Roller...	Magnifico Sports	Portugal
8	240100400129	\$758.40	Assorted Sports Artid...	Rollerskate Roller...	Magnifico Sports	Portugal
9	240200100076	\$809.80	Golf	Expert Men's Fire...	Twain Inc	United States
10	240200100118	\$515.70	Golf	Hi-fly Intrepid Stan...	Van Dammeren Int...	Netherlands
11	240200100173	\$946.40	Golf	Proplay Executive...	Van Dammeren Int...	Netherlands
12	240200200013	\$1,139.40	Golf	Master Golf Rain...	Mike Schaeffer Inc	United States
13	240200200060	\$553.25	Golf	Eagle Windstoppe...	HighPoint Trading	United States
14	240300100028	\$563.70	Indoor Sports	Letour Heart Bike	TrimSport B.V.	Netherlands
15	240300100032	\$600.20	Indoor Sports	Letour Trimag Bike	TrimSport B.V.	Netherlands
16	240300300070	\$825.45	Indoor Sports	Top Men's R&D UI...	Top Sports Inc	United States
17	240300300090	\$850.65	Indoor Sports	Top R&D Long Ja...	Top Sports Inc	United States
18	240400200097	\$877.80	Racket Sports	Smasher Tg 70 T...	British Sports Ltd	United Kingdom
19	240800100074	\$569.70	Winter Sports	Mayday Soul Pro...	Mayday Inc	United States