ATTEMPT 1: **PK** **FK**

Country((**ISO\_Code**, **Year**), **Commodity\_ID,** Country\_name, yearly\_average\_temperature, yearly\_average\_temperature\_uncertainty, Methane, Nitrous\_oxide, Trade\_co2, Cement\_co2, Coal\_co2, Flaring\_co2, Gas\_co2, Oil\_co2, Other\_industry\_co2, Consumption\_co2, Population, gdp)

Grains(**Commodity\_ID,** (**ISO\_Code, Year**), Commodity\_Description, Area Harvested, Beginning Stocks, Ending Stocks, Imports, Exports, Feed Dom. Consumption, FSI Consumption, Production, TY Exports, TY Imp. from U.S., TY Imports, Milling\_Rate, Rough\_Production)

ATTEMPT 2:

Record(**Record\_ID**, **ISO\_Code**, **Commodity\_ID,** Year)  
Country(**ISO\_Code**,Country\_name, yearly\_average\_temperature, yearly\_average\_temperature\_uncertainty, Methane, Nitrous\_oxide, Trade\_co2, Cement\_co2, Coal\_co2, Flaring\_co2, Gas\_co2, Oil\_co2, Other\_industry\_co2, Consumption\_co2, Population, gdp

Commodity(**Commodity\_ID,** Commodity\_Description, Area Harvested, Beginning Stocks, Ending Stocks, Imports, Exports, Feed Dom. Consumption, FSI Consumption, Production, TY Exports, TY Imp. from U.S., TY Imports, Milling\_Rate, Rough\_Production)

ATTEMPT 3:

Record(**Record\_ID**, **ISO\_Code,** Year)

Country(**ISO\_Code**, **Commodity\_ID,** Country\_name, yearly\_average\_temperature, yearly\_average\_temperature\_uncertainty, Methane, Nitrous\_oxide, Trade\_co2, Cement\_co2, Coal\_co2, Flaring\_co2, Gas\_co2, Oil\_co2, Other\_industry\_co2, Consumption\_co2, Population, gdp

Commodity(**Commodity\_ID,** Commodity\_Description, Area Harvested, Beginning\_Stocks, Ending\_Stocks, Imports, Exports, Feed\_Dom.\_Consumption, FSI\_Consumption, Production, TY\_Exports, TY\_Imp.\_from\_U.S., TY Imports, Milling\_Rate, Rough\_Production)