# **SQL Assignment Question - Top customers of SuperStore**

The **SQL Assignment - Superstore Dataset** excel workbook contains sample data for Global sales of Superstore over a period of 4 years: 2012 – 2015 (let’s call this as orders dataset). It also contains the details of orders which were returned by the customers in the adjacent sheet (returned-orders dataset).

**Objective**: Management is interested to know who are the Market x Category x Region x Year-wise top *n* customers and invite them to a conference in order to felicitate them.

Write a SQL query on the given datasets while following the below steps. There should only be a single output dataset after applying all these operations in sequence. You can write a nested query to perform this in a **single query**.

1. Exclude returned orders & Home Office orders from the orders dataset
2. Find Market x Category x Region x Year-wise **lists** of Top 20 customers by Total Sales Value (i.e. find top 20 customers set for **each** unique combination of these 4 dimensions)
3. Consider the above step as an intermediate table (i.e. use this grouped data of customers as the base table for the next step)
4. Using this list of customers (from previous step), display the final output as a table with the following fields. This output data should be at the same level of granularity as the orders dataset. Objective is to get the raw data back for these top customers. The raw data should have all the orders which made them top customers.
   * Market
   * Category
   * Region
   * Order Year
   * Customer ID
   * Customer Name
   * Total sales (from Step 2)
   * Country
   * City
   * State
   * Segment
   * Order ID
   * Order Date
   * Sub-Category
   * Product ID
   * Ship Date
   * Ship Mode
   * Sales
   * Quantity
   * Discount
   * Profit
   * Shipping Cost

Submit a single comprehensive SQL query and a single output dataset. Name the output data file as **YourName\_SuperstoreTopCustomers** (csv or xlsx).