# Case Study Task: Part 3 – Table Creation

## Instructions

1. Using the OLAP model and the source to target mapping, write a SQL script to create tables for each of the entities in your design.
2. Consider appropriate data types for your attributes and the length of any strings.
3. Ensure all your tables have primary keys. Consider what you’ll use for the primary key for each table.
4. You now need to create the Date dimension. Take the *SQL\_CreateDateDim.sql* from the shared folder and copy and paste the code into a new query window in SQL Server. The script will:
   * Check if a table called Dates already exists
     + If so, it will drop it
   * Create the Dates tables with columns for date, month, qtr, year
   * Stores two date values for the earliest Order Date and the latest Order Date from the Superstore table
   * Initiates a loop starting with the earliest date and incrementing by one day each time until the last order date. For each iteration of the loop it will create a date row in the Date table

**To do:**

* + As a check, confirm if the start and end date values are correct for the data
  + Run the script

1. Now that the Date dimension is created, add a foreign key to the Date dimension in your Fact table.
2. Add foreign key constraints.