**Day 4 Assignment (Task 5)**

### Types of Relationships Made in Star Schema:

**One-to-Many (1:\*):**

* + Most common in Star Schema.
  + One record in the **dimension table** (e.g., one customer) is related to multiple records in the **fact table** (e.g., many orders).
  + Example:
    - Customers: Total Orders (1:\* relationship)
    - Plant: Total Orders (1:\* relationship)

**Many-to-One (\*:1):**

* + Technically the same as One-to-Many but from the other side.
  + From the perspective of the **fact table**, each record references **one** record in the dimension table.

**One-to-One (1:1):**

* + Rare in Star Schema.
  + Usually not needed unless you have tables that match records exactly one-to-one.

**Many-to-Many (:):**

* + Typically **avoided** in Star Schema because it can cause ambiguity in reporting.
  + Not recommended in a clean star schema model.