

Solution 4

The result of the above problems will be a **constellation schema**.

The *SalesFact* table and *ServicesFact* table are related to Customer, Date and Franchise.

- CustomerId is an attribute whose value will be from MmbrId and CorporateCustomerId.
- CustomerName is an attribute whose value will be from MmbrName and CorporateCustomerName&Location.
- CustomerLocation is taken from the location in CorporateCustomerName&Location.
- DateWeek is used in the date table as the business requirement states that the reporting should be done by week, which is derived from the current date using day, month and year attributes and has a value of 1-52 both inclusive.
- Also, the SaleType is a derived attribute indicating the data source (merch for Merchandise and event for special events).

