

Solution for Problem5 of Module 2 Assignment

Summarizability problems are:

1. All the relationships from fact tables to dimensions table are NOT NULL constraint except the relationship between **Invoice and Shipment**.
2. **Invoice and Shipment, For each shipment invoice may or may not be generated till now. That is NULL is allowed for Invoice Id as Foreign Key in the Shipment Table.**
3. Incomplete-RollUp or Incomplete DrillDown is not present there.
4. Incomplete Fact-Dimension Relationships not present there.
5. There may be some irregularity in source data. That should be handled.
6. All the formats should be properly followed.
7. In the dimension tables Customer and CustLocation, Lot of data is repeated like Cust_Name and if country or city or any locations details are same for customer they are repeated in Customer table as well as CustLocation table.
8. I have assumed Location_Name, Sales_Class_Desc to be unique names, if not unique there can be problems. Then we have to use the dimensions Location and Sales_Class.