

## Problem 5

Problems are:

1. All the relationships from fact tables to dimensions table have the NOT NULL constraint except Invoice and Shipment. 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.
2. Incomplete-RollUp or Incomplete DrillDown is not present
3. Incomplete Fact-Dimension Relationships not present.
4. Source data must be cleaned and any irregularity removed
5. Format specific data is present.
6. Location City, State and Country would have to be calculated. (STRONG ETL). However, it helps keep customer location without repetition