**SQL CASE STUDY**

**Mobile Manufacturer Data Analysis**

**Business Scenario:** The database “Cellphones Information” contains details on cell phone sales or transactions.

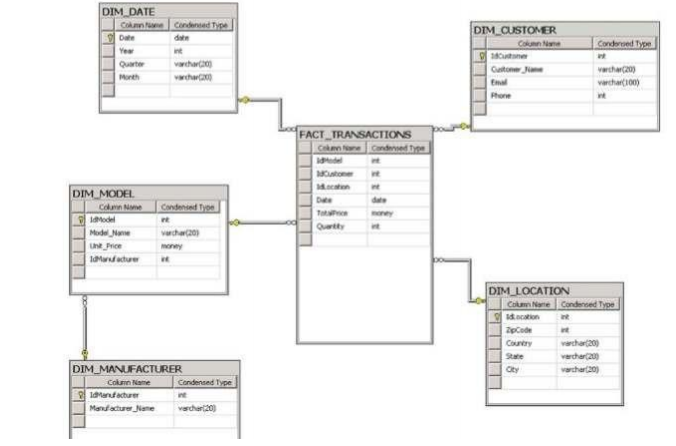
Details stored are: Dim\_manufacturer, Dim\_model, Dim\_customer,

Dim\_Location and Fact\_Transactions.

The first four store entries for the respective elements and Fact\_Transactions

stores all the information about sales of specific cell phones.

**Data Availability:** Assuming that we do not have access to the data. Hence,we create a schema based on the representation below to work on the case study



Queries done on the following:

1. List all the states in which we have customers who have bought cellphones

from 2005 till today.

2. What state in the US is buying the most 'Samsung' cell phones?

3. Show the number of transactions for each model per zip code per state.

4. Show the cheapest cell phone (Output should contain the price also)

5. Find out the average price for each model in the top5 manufacturers in

terms of sales quantity and order by average price.

6. List the names of the customers and the average amount spent in 2009,

where the average is higher than 500

7. List if there is any model that was in the top 5 in terms of quantity,

simultaneously in 2008, 2009 and 2010

8. Show the manufacturer with the 2nd top sales in the year of 2009 and the

manufacturer with the 2nd top sales in the year of 2010.

9. Show the manufacturers that sold cell phones in 2010 but did not in 2009.

10. Find top 100 customers and their average spend, average quantity by each

year. Also find the percentage of change in their spend.