

## COMP810 Data Warehousing and Big Data

### Lab – Week 2 (Data Warehousing)

Due: ---

#### Task 3.

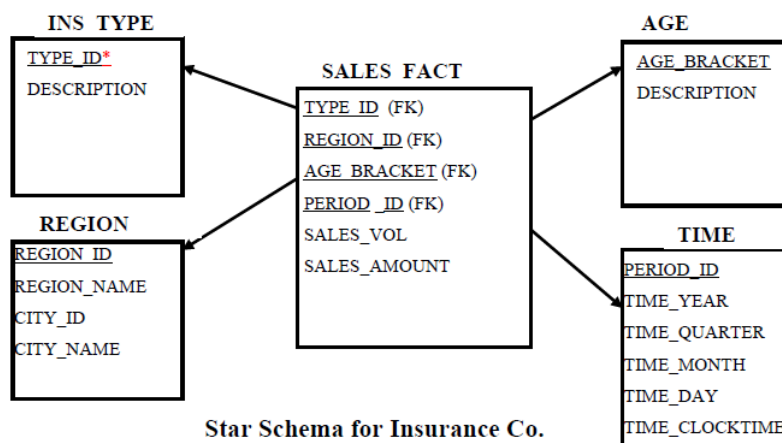
An Insurance Company needs to track Sales Volume (i.e. the number of policies sold) and the corresponding Sales revenue (i.e. the value in \$ terms). The dimensions that are to be used are as follows:

- Insurance Type: Type\_ID, Description. There are 10 insurance types.
- Sales\_Region: Region\_ID, Name, City\_ID, City\_Name. There are 50 regions in all. You may assume an average of 10 cities per region.
- Age Bracket: Age\_Key, Description. There are 10 age brackets in all.
- Time Period: Period\_ID, Year, Quarter. Revenue is tracked for the last five years.

Consider the facts and dimensions in the above specifications.

>> **Design a Star schema on paper.** Clearly identify the fact table(s), dimension table(s), their attributes and measures along with the primary key and foreign key relationships.

## SOLUTION



\* PKs denoted by being underlined

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**End of Lab Week 2 Data Warehousing**