BUS 464 Business Data Management
In Class Assignment - Data Warehousing

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You are required to create a data mart for me based on the database *Adventureworks*. You already have access to this database through the MySQL server. The *facts* are Number of Orders, and Dollar Volume of Orders. The *dimensions* are Product, Supplier and Time. Thus your data mart should answer the following questions for me:

What is the dollar value of orders sold for each product of each supplier for each time period?

How many number of orders placed for each product for each supplier over the entire time period of the data mart ?

A few tips & thoughts:

1. You will need to figure-out the data model underlying the Adventureworks DB yourself. Identify the time period of the data mart based on the existing database.

2. Find which tables contain the information that is required for this data mart.

3. Search on the Internet for a good chunk of MySQL code that implements the Time dimension. Do not waste time making your own code. If the code is daily then reduce it to weekly dimension.

4. Use the SQL extension ROLLUP to generate the reports needed.

5. If the data mart requirements are ambiguous make your own assumptions.

Finally, for exploration, browse to `www.tableausoftware.com/tft/activation` and use the Tableau activation code (TDUV-90FD-1490-5F18-D779) to see if the MySQL server databases can be accessed using Tableau. You will need to install their ODBC drivers from the tableau.com website before you are able to use Tableau to log in to the wmc3317-2 server using your usernamepassword. Once you are all set up, check out if you can create visualizations using the same set of tables to answer the above questions.

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