* Read “Database Processing: Fundamentals, Design, Implementation”- Chapter 2
* Read “Beginning Database Design Solutions” - Chapter 17

DB: What is the Conceptual Model and how to measure concepts in Business Research for a Conceptual Model?

Hi Professor,

   The Conceptual Model is the overall view of the entire database at a macro level. It shows all the different tables, organizations, and relationships, but doesn't show great detail. If you were building a database, this would be the second step. The first step is to map out an External Model to see how the system looks currently. As a blueprint, the Conceptual Model doesn't need the software or hardware systems to be defined. If the conceptual model follows a logical design, any DBMS should be able to create it. As the database takes its own shape through the first, second and third normal forms, the advantages and disadvantages of different systems would, hopefully, become clear. The next step is the Internal Model, where the DBMS is defined and the code written. The Physical Model is the last step, where the needed hardware is defined.

   The conceptual model should be based on how the business or entity currently operates or how it wants to operate in the future. The measures used in business research can be identified from the conceptual model. Subroutines that copy, track, count, average, or compare selected data sets can be added in data marts. Processes like weekly, monthly, quarterly, and annual reports can be created and set to be auto-generating.

v/r Jeff

Programming exercise

SQLite-Using Chinook database: (Database is available in GitHub repository under db folder)

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Task1:

Using Command Prompt, write a command to access the chinook databases and shows all the tables list in that database. Take a screenshot and submit it.

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Task2:

Using Command Prompt, write a command to save 24 Tracks from the album table and order them by title, into a text file. Take a screenshot and submit it.