

Chapter 12

Designing Databases

True-False Questions

1. One of the purposes of database design is to choose data storage technologies that will efficiently, accurately, and securely process database activities.
Answer: True **Difficulty:** Med **Reference:** p. 387
2. The selection of data storage technologies is made during the systems implementation and operation phase.
Answer: False **Difficulty:** Med **Reference:** p. 387
3. The network model is the most common style for a logical database model.
Answer: False **Difficulty:** Med **Reference:** p. 387
4. Conceptual modeling is performed during systems design.
Answer: False **Difficulty:** Med **Reference:** p. 388
5. Generally speaking, logical and physical database design is performed in parallel with other systems design steps.
Answer: True **Difficulty:** Easy **Reference:** p. 388
6. Normalization helps build a data model that is simple, not redundant, and requires minimum maintenance.
Answer: True **Difficulty:** Med **Reference:** p. 388
7. During logic modeling, the data requirements from all user interfaces are combined into one consolidated logical database model.
Answer: False **Difficulty:** Med **Reference:** p. 389
8. The selection of the appropriate storage format for each attribute from the logical database model is made during physical database design.
Answer: True **Difficulty:** Med **Reference:** p. 389
9. In general, data structure refers to grouping attributes from the logical database model into physical records.
Answer: True **Difficulty:** Med **Reference:** p. 389
10. A file organization is an arrangement of related records in secondary memory so that individual and groups of records can be stored, retrieved, and updated rapidly.
Answer: True **Difficulty:** Med **Reference:** p. 389

Database Design Study Guide True False

Paul M. Muchinsky



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