

Assignment 1

Note: a. Write your answer in a piece of paper and take a picture. Paste it in a Word document and submit.

b. Do not just copy from the slides. Add your own words.

c. Your document submitted should always have your name.

Answer the following:

1. Discuss the importance of data modeling.
2. What is a business rule, and what is its purpose in data modeling?
3. How do you translate business rules into data model components?
4. Describe the basic features of the relational data model and discuss their importance to the end user and the designer.
5. Explain how the entity relationship (ER) model helped produce a more structured relational database design environment.
6. What is the difference between a database and a table?
7. What does it mean to say that a database displays both entity integrity and referential integrity?
8. Why are entity integrity and referential integrity important in a database?
9. What are the requirements that two relations must satisfy in order to be considered union-compatible?
10. Which relational algebra operators can be applied to a pair of tables that are not union-compatible?