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Normalization : Read Chapter 10 in murach textbook about normalization and denormalization of database design.

Read Chapter 11 discussion on using SQL DDL statements to create tables, indexes

1. In your own words, describe the nature and purpose of the normalization process.
2. What is *denormalization*? When it is used?
3. Explain the types of insert, update and delete problems that can occur if tables are not normalized?
4. What is the difference between weak and strong entities? How are weak entities represented in a relational database?
5. List the three types of binary relationships and give an example of each (do not use examples from the textbook).
6. Taking your example of a 1:1 relationship from question #5, write a sql statement that uses a join that returns all data from both tables.
7. For a 1:N relationship, give the key of the parent entity, write an sql select statement that returns all the data from all the child entities.
8. For the Many:Many relationship example you wrote in question #5, write an sql select that given a key of one entitiy, will return all data from all if the related entities.