

Homework, Chapter 10

ISTA-420, T-SQL Fundamentals

1. What is the purpose of *transactions*? Why do we use transactions in SQL scripts?
2. Briefly describe each of the ACID properties.
3. What do we mean when we talk about the *granularity* of locks?
4. What do we mean when we talk about the *modes* of locks?
5. In your own words, describe *blocking*, and give an example.
6. What are the *properties* of locks? That is, list the column name and column type of the fields in `sys.dm_tran_locks`.
7. What are the *properties* of sessions? That is, list the column name and column type of the fields in `sys.dm_exec_connections`.
8. What are the *requests* of sessions? That is, list the column name and column type of the fields in `sys.dm_exec_requests`.
9. What is an *isolation level*? Give an example of the operation of an isolation level.
10. (Not in the book.) What do we mean when we say that an object is *serializable*?
11. What is a *deadlock*? Give an example of a deadlock?