

Homework - 1

Pick any 5 and answer briefly.

We will pick up the best 5 if you answer all 6.

Maximum points = 20

1. Does C in CAP and ACID mean the same. Explain.
2. NoSQL databases are easy because you need not worry about the schema. What do you think?
3. *A closely held secret which people often overlook. Relational databases get into a bad state if 2 transactions are running simultaneously against the same object: for example if 2 different users are updating the same account (and data/records is all stored in a RDBMS), it can leave the data in a bad state.* Is this true or False - please explain.
4. You are a trusted advisor at a Bank and are told "We want to build a new application for managing transactions out of accounts (putting money into accounts and taking money out of accounts) ; we propose to use NoSQL DBs". What would you suggest?
5. You are building an application to handle Shopping Carts. What do you think would be acceptable trade-offs vis-a-vis CAP?
6. You are building an application to handle Shopping Carts check out. What do you think would be acceptable trade-offs vis-a-vis CAP?