

A relational model of data for large shared data banks

E. F. Codd. Communications of the ACM. 1970

Questions

Alexander

1. What is the problem that Codd tries to solve? What was the state of data base system up to that point and why was that a problem?
2. What are the possible disadvantages of the proposed solution?
3. Codd's solution is widely adapted in modern DBS. Which parts are implemented, which have changed since, and which ones were never implemented?

Stefan

1. What is normalization (in the context of databases), how is it carried out and what are its advantages?
2. What is the difference between strong and weak redundancy and how are they avoidable?
3. Which operations on relations are presented in this paper?

Vasker

1. Describe shortly the relational data model and it's concepts.
2. What are the two proposed features of a universal data sublanguge?
3. Show two relations are composable if and only if they are joinable.