



NULL VALUES?

- Ambiguous?
- Value is missing
 - Value is not applicable
 - Value is not known but exists

Which of our employees live together?

Current State

Valid State

Schema-based constraints (explicit) - Constraints that can be directly expressed in the schemas of the data model, typically specified in the DDL.

Application-based constraints (semantic) business rules - constraints that cannot be directly expressed in the schemas of the data model, enforced and expressed by the application programs?

Domain Constraint

Key Constraints and Constraints on Null Values

Domain Constraints - specify within a tuple the value of each attribute A must be an atomic value from the dom(A).

Key Constraints?

Need to be able to uniquely identify tuples (next time)*

How about Constraints?

Model-based constraints (implicit) - constraints that are inherent in the data model i.e., domain constraints.

