

Module 1k: Bottom-up Database Design

Objective:

To learn a synthesis and merge approach for relational database design of a complex organization.

Topics:

- transforming a conceptual schema to a relational schema
- mapping of entity types to tables
- mapping of relationships as attributes or separate tables
- representation of constraints

Task:

Examine the company database E-R diagram and observe how it is transformed to the relational schema of six tables with several constraints (see xampp\htdocs\course\scripts\company folder).

Assessment:

This knowledge will be tested in quizzes and exams.