

CSC 230 Introduction to Database Systems

Summary Review

- I. Database Practice
 - A. Informational Structure
 - 1. Entity-relationship diagrams – interpretation & creation
 - 2. Relational model & table schemas – build schemata from ERD
 - 3. Functional dependencies, closure, keys, Boyce-Codd Normal Form (definition & conversion)
 - B. SQL Query Language
 - 1. Administration: Table creation/modification/deletion
 - 2. Simple queries: SELECT ... FROM ... WHERE ...
 - 3. Crosses & joins, nested queries, renaming/disambiguation
 - 4. Data modification: inserts/deletes/updates
 - 5. Transaction grouping
 - 6. Not on exam: triggers, checks, assertions, views
 - 7. PHP implementation of SQL queries
 - 8. SQL injection attack
- II. Database Implementation