

ECE 467 – Database Systems

Assignment #2 – SQL Schema

Consider the LIBRARY relational database schema shown below.

1. Write CREATE statements in SQL to create the LIBRARY database. Include the appropriate action (REJECT, CASCADE, SET TO NULL, SET TO DEFAULT) for each referential integrity constraint.
2. Write INSERT statements in SQL for all relations of the LIBRARY.
3. Write MODIFY statements in SQL for BOOK, BOOK_AUTHORS and PUBLISHER (which do not fail).
4. Write DELETE statements in SQL for BOOK_COPIES, BOOK_LOANS, LIBRARY_BRANCH and BORROWER (which do not fail).

Check the correctness of your SQL code in SQLite.

