



**Figure 4.6**  
A relational database  
schema for a  
LIBRARY database.

This figure is from another textbook. We will use it for this homework assignment.

(50 points)

1. Write appropriate SQL DDL statements for declaring the LIBRARY relational database schema. (21 points)
2. Write the appropriate SQL statements to populate the BOOK and PUBLISHER relations with 3 records in both relations. (12 points)
3. Write the appropriate SQL statement(s) to remove the records from the book table but leave the table structure intact. (5 points)
4. Write SELECT statements to do the following: (4 points each)
  - a. List all of the Publishers names. There should not be any duplicates.
  - b. The names of the borrowers who currently have books from the library.
  - c. List all of the books published by 'Bookshelf' that are on loan to card 43576