Homework 2

Implement the Library/Copy/Book/Author database. Write the create table statements and import the data provided in the h2 zip file. Write SQL select statements to answer the following queries.

a. Find the libnum and libname of libraries that house more than 100 copies.

b. Find the least expensive copy of each book that has at least one copy. The result should be tuples of the form (booknum, title, copynum)

c. For each library find the number of copies of books written by James Baldwin. The result should be tuples of the form (libnum, libname, number of copies by James Baldwin). The result should include libraries that do not have any copies of books by James Baldwin.

d. Find the libnum and libname of libraries that house a copy of at least one book for every author.
Homework 2

• Put your sqlite commands in a text file called h2.txt so you can use .read to run them in sqlite

• After starting sqlite use the following commands
  – .echo on
  – .output h2Results.txt
  – .read h2.txt

• Check the results in h2Results.txt to make sure they are correct

• Email me (tgendreau@uwlax.edu) the file h2.Resultstxt

• In the subject line of the email put CS 364 H2