Books DB

Authors

The authors table records persons who have authored books. Every author corresponds to at least one book in the database.

column	type	description
author_id	integer	unique identifier for the author
name	character string	full name of the author
birth	date	birth date of the author, if known
death	date	death date of the author, if known

Books

The books table records works of fiction, non-fiction, poetry, etc. by a single author. Each book corresponds to a single author from the authors table, and may correspond to many editions of the book listed in the editions table.

column	type	description
book_id	integer	unique identifier for the book
author_id	integer	author_id of book's author from authors table
title	character string	the book's title
publication_year	integer	year the book was first published

Editions

The editions table records specific publications of a book. Each edition corresponds to a single book from the books table. For space reasons, the editions table only includes data on four books by J.R.R. Tolkien.

column	type	description
edition_id	integer	unique identifier for the edition
book_id	integer	book_id of the book (from books table) published as this edition
publication_year	integer	year this edition was published
publisher	character string	name of the publisher

column	type	description
publisher_location	character string	city or other location(s) where the publisher is located
title	character string	title this edition was published under
pages	integer	number of pages in this edition
isbn10	character string	10-digit international standard book number
isbn13	character string	13-digit international standard book number

Awards

The awards table records various author and/or book awards.

column	type	description
award_id	integer	unique identifier for the award
name	character string	name of the award
sponsor	character string	name of the organization giving the award
criteria	character string	what the award is given for

Authors Awards

The authors_awards table is a cross-reference table (explained in Chapter 1.4) relating authors and awards; each entry in the table records the giving of an award to an author (not for any particular book) in a particular year.

column	type	description
author_id	integer	author_id of the author receiving the award
award_id	integer	award_id of the award received
year	integer	year the award was given

Book Awards

The books_awards table is a cross-reference table relating books and awards; each entry in the table records the giving of an award to an author for a specific book in a particular year.

column	type	description
book_id	integer	book_id of the book for which the award was given
award_id	integer	award_id of the award given
year	integer	year the award was given

Bookstore Inventory DB

Bookstore Inventory

The `bookstore_inventory` table contains information on new and used books for sale.

column	type	description
stock_number	integer	unique key for a particular copy of a book
author	string	author of book
title	string	title of book
condition	string	condition (new, good, fair, etc.)
price	fixed-point	price in some unit of currency

Bookstore Sales

The `bookstore_sales` table gives information about the sales of books from `bookstore_inventory`.

column	type	description
receipt_number	integer	unique key for a sale
stock_number	integer	key for sold book
date_sold	date	date of sale
payment	string	method of payment (cash,credit, etc)