

\*PK = Primary Key

\*FK = Foreign Key

### Book

isbn	title	publish_date	total_num_chapters	total_num_pages	ratings	series	edition	publisher
PK	Text	Date	Number	Number	Number	FK	Text	FK

isbn-> {title, publish\_date, total\_num\_chapters, total\_num\_pages, rating, edition}

The ISBN uniquely identifies the following properties of a book:

- It's title
- It's publication date
- The total number of chapters
- The total number of pages
- The rating of the book

The ISBN also gives us a relation between a Series and a Publisher

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.

### Book\_Authors

book.isbn	author.id
PK	PK

This table only defines a relation between a book's ISBN and the author. There are no other columns aside from the primary key.

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.

### Book\_Genre

book.isbn	genre.id
PK	PK

This table only defines a relation between a book's ISBN and the genre of the book. There are no other columns aside from the primary key.

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.

### Series

id	title
PK	Text

id -> title

The series ID identifies the title of the series.

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.

### Genre

id	name
PK	Text

id -> name

The genre ID identifies the name of the genre.

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### Author

id	first_name	middle_name	last_name	gender
PK	Text	Text	Text	Text

id -> {first\_name, middle\_name, last\_name, gender}

The author ID identifies:

- The first name of the author
- The middle name of the author
- The last name of the author
- The gender of the author

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.

### Publisher

id	name	location
PK	Text	Text

id -> {name, location}

The publisher ID identifies:

- The name of the publisher
- The location of the publisher

Table is normalized. No multivalued attributes, all attributes are dependent on the primary key and non-key attributes are defined by the primary key.