

# Dataset 1

The dataset consists of four tables: `author`, `book`, `adaptation`, and `book_review`.

The first table shows the author data in the following columns:

- `id` – The author's unique ID within the database.
- `name` – The author's name.
- `birth_year` – The year when that author was born.
- `death_year` – The year when that author died (the field is empty if they are still alive).

Here are the table's first few rows:

id	name	birth_year	death_year
1	Marcella Cole	1983	NULL
2	Lisa Mullins	1891	1950
3	Dennis Stokes	1935	1994
4	Randolph Vasquez	1957	2004
5	Daniel Branson	1965	1990
...	...	...	...

The second table, `book`, shows details about books. The columns are:

- `id` – The ID of a given book.
- `author_id` – The ID of the author who wrote that book.
- `title` – The book's title.
- `publish_year` – The year when the book was published.

- `publishing_house` – The name of the publishing house that printed the book.
- `rating` – The average rating for the book.

These are the first five rows:

i d	aut hor _id	titl e	publi sh_y ear	publis hing_h ouse	ra ti n g
1	NU LL	So ull ess girl	2008	Golden Albatro s	4. 3
2	NU LL	We ak He art	1980	Diarmu d Inc.	3. 8
3	4	Fai th Of Lig ht	1995	White Cloud Press	4. 3
4	NU LL	Me mo ry Of Ho pe	2000	Rutis Enterpr ises	2. 7
5	6	Wa rri or Of Wi nd	2005	Maveri ck	4. 6

i d	aut hor _id	titl e	publi sh_y ear	publis hing_h ouse	ra ti n g
...	...	...	...	...	...

The `adaptation` table has the following columns:

- `book_id` – The ID of the adapted book.
- `type` – The type of adaptation (e.g. movie, game, play, musical).
- `title` – The name of this adaptation.
- `release_year` – The year when the adaptation was created.
- `rating` – The average rating for the adaptation.

Here's a snapshot of the data from this table:

book_ id	type	title	release_y ear	ratin g
1	mov ie	Gone With The Wolves: The Beginnin g	2008	3
3	mov ie	Compani ons Of Tomorro w	2001	4.2
5	mov ie	Homeless Warrior	2008	4
2	mov ie	Blacksmit h With Silver	2014	4.3

book_id	type	title	release_year	rating
4	movie	Patrons And Bearers	2004	3.2
...	...	...	...	...

The final table is `book_review`. It consists of the following columns:

- `book_id` - The ID of a reviewed book.
- `review` - The summary of the review.
- `author` - The name of the review's author.

Here's the data:

book_id	review	author
1	An incredible book	Sylvia Jones
1	Great, although it has some flaws	Jessica Parker
2	Dennis Stokes takes the reader for a ride full of emotions	Thomas Green
3	Incredible craftsmanship of the author	Martin Freeman
4	Not the best book by this author	Jude Falth
5	Claudia Johnson at her best!	Joe Marqiz
6	I cannot recall more captivating plot	Alexander Durham

## INNER JOIN

1. List All Books and Their Authors.
2. List Authors and Books Published After 2005
3. Show Books Adapted Within 4 Years and Rated Lower Than the Adaptation.

## LEFT JOIN

1. Show All Books and Their Adaptations (If Any)
2. Show All Books and Their Movie Adaptations

## RIGHT JOIN

1. Show All Books with Their Reviews (If Any)

## FULL JOIN

1. List All the Books and All the Authors