

CSD310: Database Development and Use
Module 3.2 Assignment: Normalized Tables
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11/6/2025

1NF

I have left certain fields null which are related to deceased authors

| Publisher Name | Publisher Id | Publisher Address | Book ISBN | Book Name | Book Price | Author First Name | Author Last Name | Author Phone | Author Email | Publisher Email | Author Address |
|----------------------|--------------|--|------------|------------|------------|-------------------|------------------|--------------|--------------|---|----------------|
| Harper Collins | 1 | 195 Broadway, New York, NY 10007 | 1503280780 | Moby Dick | \$17.59 | Herman | Melville | null | null | consumercare@harpercollins.com | null |
| Grove Press | 2 | 154 West 14th Street, 12th Floor, New York, NY 10011 | 0802130305 | Ficcione s | \$18.00 | Jorge Luis | Borges | null | null | info@groveatlantic.com | null |
| Penguin Random House | 3 | 1745 Broadway New York, NY 10019 | 0553293354 | Foundation | \$10.00 | Isaac | Asimov | null | null | penguinrandomhouse@penguinrandomhouse.com | null |

3NF

Primary keys bolded, foreign keys italicized.

Publishers Table

| Id | Name | Address | Email |
|-----------|------|---------|-------|
|-----------|------|---------|-------|

Authors Table

| Id | First Name | Last Name | Phone | Email | Address |
|-----------|------------|-----------|-------|-------|---------|
|-----------|------------|-----------|-------|-------|---------|

Books Table

| ISBN | Title | Price | <i>AuthorId</i> | <i>PublisherId</i> |
|-------------|-------|-------|-----------------|--------------------|
|-------------|-------|-------|-----------------|--------------------|

Key Assumptions: This normalization assumes there is only one publication per book. Otherwise, we'd need a Publications table to affix different prices to.