

1. The normal form that this relation is in is 2<sup>nd</sup> Normal Form. The reason I say that it is in this form is that there is a dependency in the Book\_title to Publisher, Book\_type.
2. The first thing is that you will need to start with decomposing the relation.

Decomposing the relation:

- BOOK1(Book\_title, Publisher, Book\_type)
- BOOK2 (Book\_type, List\_price)
- AUTHOR (Author\_name, Author\_affil)

In BOOK1:

- Primary Key: Book\_title
- Foreign Key: Book\_type (from BOOK2)
- Foreign Key: Publisher (assuming it's a foreign key referencing a Publisher relation.)

In BOOK2:

- Primary Key: Book\_type

In AUTHOR:

- Primary Key: Author\_name