

### Database Management Assignment 3

Due date: Before the week 7 class starts

**Please refer to the JustLee Books database tables to answer the assignment questions.**

You are an employee at JustLee. At work, you receive various inquiries from the sales management team for reports and lists of data. Since you receive such requests too often, you decided to document the SQL statements used to query the data to assist future requests more efficiently.

The following are the requests from the sales management team. For each request, create SQL statements to satisfy the demands.

1. A manager at JustLee Books requests a list of the titles of all books, generating a net profit margin of at least 30%. The manager wants the results listed in descending order of the books' profit margin. Note: Profit margins are calculated as profit/revenue.
2. Identify the authors of the books that customer 'Tammy Giana' ordered. List the author names and book titles. Please sort the result by author's last name in ascending order. Use the WHERE clause to join the tables.
3. Display a list of all books in the BOOKS table with their ISBN, title, and discounted sales price. If a customer has ordered the book, list the corresponding order number and quantity, along with the three items above.
4. List all the books written by an author with the last name Jones. Perform the search using the author's name. Please use the JOIN keyword to connect tables.
5. The marketing department of JustLee Books is analyzing books that don't sell. A list of ISBNs for all books with no sales record is needed. Use a set operator to complete this task.
6. Display a list of all customers who have purchased more than one item in one order, and one of the items in that order must include the category CHILDREN.
7. Produce a list of all book titles (in mixed case – the first character of each word should be upper case, and the rest are lower), percentage of markup, and retail price. The markup (profit/cost) should be displayed as a whole number with no decimal position, followed by a percent sign (ex., 0.236 → 24%). The retail price should be formatted to display a dollar sign and two decimal places.