

**Directions:** Use INSERT, UPDATE, and DELETE queries to accomplish the following tasks.

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1. Make a fictitious customer to add to the database. Do not use a column list.
2. Make a fictitious customer to add to the database. This time use a column list, but not in the same order as the columns in the table.
3. With one statement, add three more (fictitious) customers to the database.
4. Delete the customer added in Question 1. **Warning!** Be sure to use a WHERE clause, else all customers will be removed.
5. Update any products with category 1068 to 116, then remove category 1068 (Books) from the Categories table. This requires two queries. Note: write the first query even if there are no products with category 1068 (if there are none, and there aren't, then none will get updated). You will probably get the warning: "Error Code: 1175. You are using safe update mode and you tried to update a table without a WHERE that uses a KEY column To disable safe mode, toggle the option in Preferences → SQL Editor & reconnect." You can follow their hint by unchecking safe mode in the preferences, or use the command: `SET SQL_SAFE_UPDATES=0;`. Note: there are no records that have 1068, so you can just write the query and paste in your homework, i.e., you do not actually have to run this query but "pretend" you did.
6. Find the URL for Von Holtzbrink Publishers and update the manufacturers table accordingly. Warning: use a WHERE clause, else you will set every manufacturer's URL to the same.
7. Edit Bird-X (manufacturer 206) in the manufacturer's table using *one* update query. In particular, change the name from "Bird-X Inc" to "Bird-X, Inc." and set their url entry to "https://bird-x.com".
8. Create a new category called "Musical Instruments". Note: the primary key, category\_id is NOT auto-incremented. You will need to manually set this value to a unique value. HINT: one possible method for doing this is to view the Categories table, sort by category\_id, then visually inspect the last one and add 1 to it for use in your insert query. A better method is to use a query to get the value, set it to a variable (say @x), then use this variable in the insertion query. Here is the code I used to set this variable, `SET @x=(SELECT category_id+1 FROM Categories ORDER BY category_id desc limit 1)`.
9. Select products (id) that have unknown categories (there are several unknown categories) and that have 'Woodstock' or 'Music' (or similar) in their name or description.
10. Update the categories of the products with the category "Musical Instruments" from Question 8. Hint: use results from Question 9.