INFO1-CE9224 Homework Assignment

Import the SQL file located here. To import, using phpMyAdmin, create a new database, then click on the SQL tab. Copy the SQL from the file mentioned above, and paste it into the text area and submit it.

Please answer the following questions about the tables that were imported above. For each question, please tell me the answer and provide the language of the SQL query you used to obtain the answer. Email your SQL statements and answers to dah16@nyu.edu.

Questions (2 points each)

1. How many products in the *products* table cost more than $12 (hint: you must use *count* and *group by*)?
2. In the *orders* table, which orders were made by the user with the id of 2?
3. In the orders table, which orders were made by the user with the username 'bcosby' (hint, you must join the *orders* table with the *users* table)?
4. Which user ordered the most products (hint, you must join the *orders* table with the *users* table, you must use *count* and *group by*)?
5. Please tell me what normalizing a database schema means. What are the benefits of normalizing your database. Give me an example of a denormalized database table, and how you would normalize the schema (this question does not require SQL).

Extra Credit (+2 Points)

Join all three tables together, the products, users, and orders table to tell me the username, first_name, last_name, email, product_name, product_price, order_id, and date_created (of order). HINTS: You should expect to have two INNER JOIN statements. The number of rows you should expect back is the total number of rows in the orders table.