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IT2351 – Enterprise Database Systems

Professor Tamerlano

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Assignment 7

*(SAVE AS PDF BEFORE SUBMITTING)*

**1. If you were assigned the task of deleting a customer from the customers table as a DBA, explain the logic you would implement to accomplish this task via a stored program in a PDF file named Assignment7. Include the type of stored program and the steps that would be required (keep in mind the relationships between the tables).**

*(Implementation included on Github)*

I would use a stored procedure with an IN operator to delete a customer from the customers table. First I would change the delimiter to double front slashes and create a procedure named ‘delete\_a\_customer’, then call the stored procedure with the name of the customer as a parameter. As it is important to make sure all of that customer’s data in each table is also deleted, I would also delete that customer’s data from Addresses and Orders tables, as the customer\_id is the foreign key for both of those. Finally, I would use a condition handler to make sure the procedure continues when an error is encountered. After the stored program is created, you can call it with the customer\_id of the customer you want to delete in the parameter.

**4. If the guitar database was used in a production environment, explain the following:**

**a. Circumstances for implementing each of the four privilege levels.**

**b. How you would group the privileges into roles.**