ISQS 3348 In-Class SQL Practice5 – Inserting, Updating, and Deleting Data

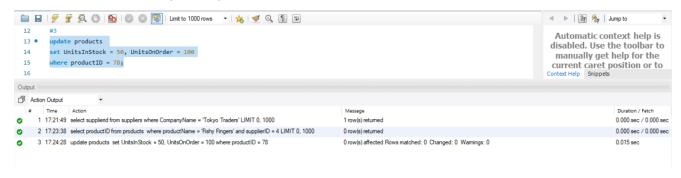
Please write the SQL queries (one for each question) to answer the following questions. Use the **sql_practice** database on the Blackboard course website.

1. Add a new product to the products table. The product's name is Fishy Fingers, is supplied by Tokyo Traders, and is in the Seafood category. Because the ProductID field in the products table has the auto-increment column property set, you do not need to specify a specific product ID in your INSERT statement (i.e., you won't insert any value for the ProductID field). You will need to make up the other values for the remainder of the fields in the products table, however, except for the UnitsInStock, UnitsOnOrder, and Discontinued fields which should be set to 0.

2. What is the ProductID of the product you just added? Find it by querying the products table. In your answer, write both the SQL statement and the result you receive.



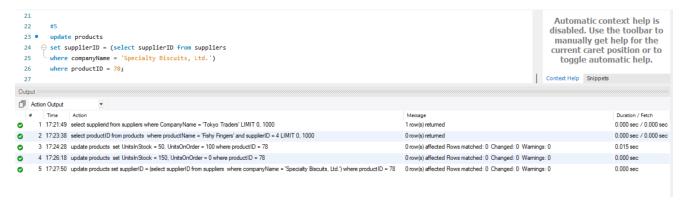
3. Your business has placed several orders for *Fishy Fingers* product from *Tokyo Traders*. One of these orders has come in, and contains *50* units. The other order, of *100* units, has not come in yet and is still on order. Write and execute the SQL statement that updates your record for this product in the products table with this information, setting the values for UnitsInStock and UnitsOnOrder with the above values, respectively.



4. The second order for *Fishy Fingers* from *Tokyo Traders* has arrived. Write and execute the SQL statement that updates the necessary field(s) with the correct value(s) (assume you have not sold any *Fishy Fingers* yet).



5. *Tokyo Traders* has decided to sell the rights to produce, market, and sell *Fishy Fingers* to another supplier, *Specialty Biscuits, Ltd*. Write and execute the SQL statements that are needed to ensureyour database represents this new reality?



6. Delete the company *Specialty Biscuits, Ltd.* from the supplier table. Are you able to delete it? If not, what is the reason?



Error message:

Error Code: 1451. Cannot delete or update a parent row: a foreign key constraint fails

('sql_practice'.'products', CONSTRAINT `FK_Products_Suppliers` FOREIGN KEY ('SupplierID')) REFERENCES 'suppliers' ('SupplierID')) 0.016 sec

What is this error message telling you?

Answer:

When I try to delete this particular supplier, Specialty Biscuits, Ltd.,

the referential integrity is violated, because this supplier has products in the products table. Essentially, when deleting records, you are not deleting records that are referenced in related tables.