

Assignment 7 No 1 – IT2351 – Jennifer Howard

If you were assigned the task of deleting a customer from the customers table as a database administrator, 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). 15 points +5 to include implementation in MySQL Workbench.

Using jenns_guitar_shop

Customer_id is a key in 3 tables: customers, orders, addresses

This would be the logic of the stored program "remove_customer"

In order to delete the customer from orders table

You would have to make certain that there are no open orders for this customer

This would also take care of the order_items table entries

Since there are no outstanding orders, you don't need the billing address anymore

Then billing_address_id.customers would be "clear"

Then you can delete customer_id (the customer) from the orders table

In order to delete the customer from the address table

You would have to make certain that all other shipments have been picked up for that customer

Since there are no outstanding shipments, you don't need the mailing address anymore

Then shipping_address_id.customers would be "clear"

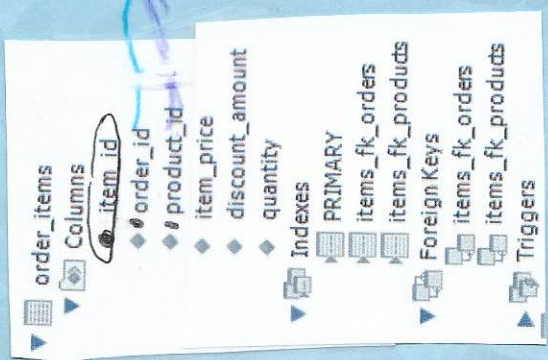
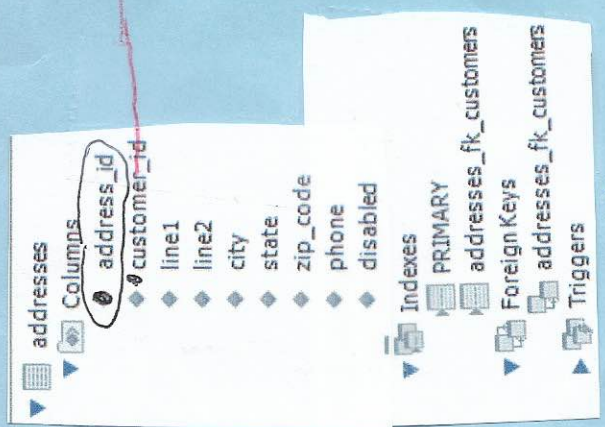
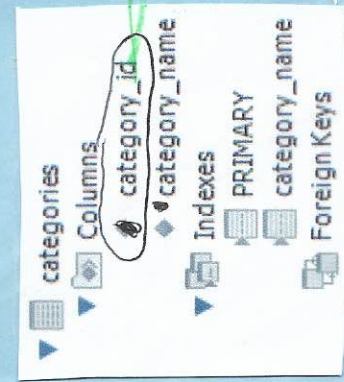
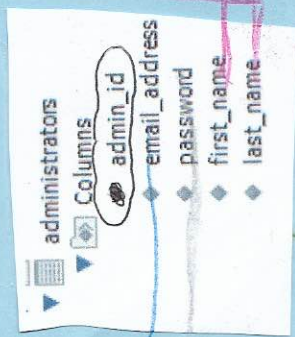
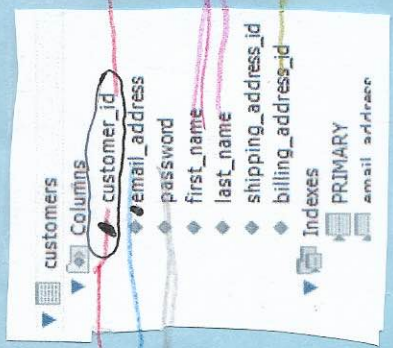
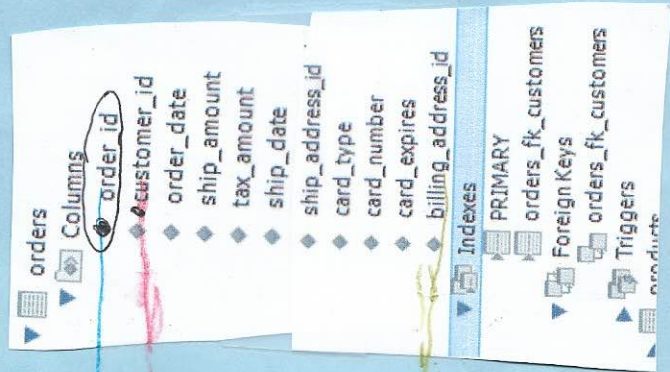
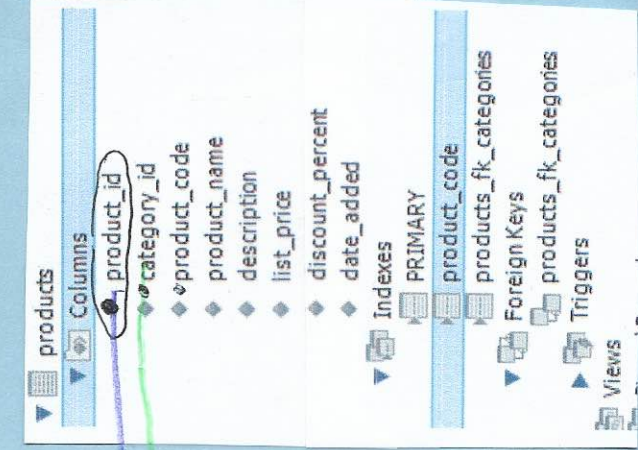
Then you can delete customer_id (the customer) from the address table

In order to delete the customer from the customers table (and thus the database)

With orders (and order_items) "clear" then billing_address_id would also be "clear"

With addresses "clear" then billing_address_id would be "clear"

Then you could delete customer_id from the customers table



Guitar Shop
Relationships

