

INST327 - Assignment 2

Q.1) Changed (15 points)

Write two queries for each table to create copies of the customers, products, and addresses tables. Name the new tables customers_copy, products_copy, and addresses_copy, respectively.

To allow for repeated clean executions of your script, precede the statements with DROP TABLE statements. To ensure that the script will run cleanly even when the tables have not yet been created, use the IF EXISTS feature of the DROP statements.

When creating the tables, be sure to preserve their attributes and foreign keys. This can be accomplished by using LIKE.

Q.2) Changed (15 points)

Write an INSERT statement that adds the following data to the customers_copy table. Code the INSERT statement such that MySQL automatically generates the customer_id column value.

Customer_id:	/*The next automatically generated ID*/	
Email_address:	vdiker@murach.com	
Password:	7a718fbd768d2378z511f8249b54897f940e9023	
First_name:	Vedat	
Last_name:	Diker	
Shipping_address_id:	10	
billing_address_id:	1	

Q.3) Changed (15 points)

Write an INSERT statement using a column list to add this row to the products_copy table. Pay careful attention to the comments below.

Product_id: **11**

Category_id: **4**

Product_code: **Y_PK100**

Product_name: **Yamaha PK-100**

Description: **The Yamaha PK-100 88-key weighted action digital piano has a Graded Hammer Standard Action, 192-note Polyphony, 24 Sounds, Stereo Sound System, EQ, and Drum Patterns/Virtual Accompaniment - Black**

list_price: **800.00**

discount_percent: **20.00**

date_added: **/*Do not hard code the date and time; use a function that will insert the date and time at the moment when the record is added. */**

Q.4) Changed (15 points)

Write an UPDATE statement that modifies two columns within the row that you added in Question 3 above. This statement should change the list price to \$689.99 and the discount percent to 40%.

Q.5) (15 points)

Write an UPDATE statement for the addresses_copy table that will set the disabled column to 1 for all addresses in California or Oregon.

Q.6) (25 points)

You have been notified that Fender Guitars has discontinued their 'Fender Stratocaster' Guitar and that you will no longer carry it in your inventory. As a result, you need to remove this item from the products_copy table. Additionally, you need to remove any information on orders for this product that **have not yet shipped** as the order will no longer be sent. Before deleting this information, write a SELECT that contains the following columns so we know about all the orders for the Fender Stratocaster:

- Customer's first and last name in one column
- Customer's Address
- Order ID
- The total amount paid with shipping and tax
- Ship date

The formatting for this SELECT is entirely up to you, however, it should be presentable.

Then, write DELETE statements that remove these rows from the products_copy, orders, and order_items tables. Make sure that you delete rows from the tables in the proper sequence so that you do not create orphan records.

Note that executing DELETE statements before you execute your SELECT statement will erase the data needed to build the query result.

As a tip, we are deleting records from tables we did not make copies of (orders and order_items), so you may need to re-run the create_my_guitar_shop.sql file if you are receiving no rows while testing.