**Day 3**

**USE Northwind from Kaggle:**

1) Update the categoryName From “Beverages” to "Drinks" in the categories table.

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2) Insert into shipper new record (give any values) Delete that new record from shippers table.

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3) Update categoryID=1 to categoryID=1001. Make sure related products update their categoryID too. Display the both category and products table to show the cascade.

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Delete the categoryID= “3” from categories. Verify that the corresponding records are deleted automatically from products.

(HINT: Alter the foreign key on products(categoryID) to add ON UPDATE CASCADE, ON DELETE CASCADE, add ON DELETE CASCADE for order\_details(productid) )

ALTER table order\_details

drop constraint if exists fk\_product

ALTER table order\_details

Add constraint fk\_product

foreign key(productid) references products(productid)

ON DELETE CASCADE;

Delete from categories

where categoryid=3

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4) Delete the customer = “VINET” from customers. Corresponding customers in orders table should be set to null (HINT: Alter the foreign key on orders(customerID) to use ON DELETE SET NULL)

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5) Insert the following data to Products using UPSERT:

product\_id = 100, product\_name = Wheat bread, quantityperunit=1,unitprice = 13, discontinued = 0, categoryID=5

product\_id = 101, product\_name = White bread, quantityperunit=5 boxes,unitprice = 13, discontinued = 0, categoryID=5

product\_id = 100, product\_name = Wheat bread, quantityperunit=10 boxes,unitprice = 13, discontinued = 0, categoryID=5

(this should update the quantityperunit for product\_id = 100)

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6) Write a **MERGE query**:

Create **temp table with name:**  ‘updated\_products’ and insert values as below:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| productID | productName | quantityPerUnit | unitPrice | discontinued | categoryID |
| 100 | Wheat bread | 10 | 20 | 1 | 5 |
| 101 | White bread | 5 boxes | 19.99 | 0 | 5 |
| 102 | Midnight Mango Fizz | 24 - 12 oz bottles | 19 | 0 | 1 |
| 103 | Savory Fire Sauce | 12 - 550 ml bottles | 10 | 0 | 2 |

* Update the price and discontinued status for from below table ‘updated\_products’ only if there are matching products and updated\_products .discontinued =0
* If there are matching products and updated\_products .discontinued =1 then delete

* Insert any new products from updated\_products that don’t exist in products only if updated\_products .discontinued =0.

MERGE INTO products p

USING updated\_products u

ON p.productid = u.productid

WHEN NOT MATCHED AND u.discontinued = 'false' THEN

INSERT (productid, productname, quantityperunit, unitprice, discontinued, categoryid)

VALUES (u.productid, u.productname, u.quantityperunit, u.unitprice, u.discontinued, u.categoryid);

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**USE NEW Northwind DB:**

7) List all orders with employee full names. (Inner join)

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