

CLP3

Suppose you have to create a table Orders with the following sample:

```
CREATE TABLE orders (  
  order_id INT PRIMARY KEY,  
  customer_id INT NOT NULL,  
  product_id INT NOT NULL,  
  quantity INT CHECK (quantity >= 0),  
  order_status VARCHAR(20) DEFAULT 'pending',  
  order_date DATE ,  
  shipped_date DATE  
);
```

Now, create the following triggers

1. Write an insert trigger on a table orders that checks if the order quantity of a product is greater than 50 then raises an error to prevent the insert.
2. Create a trigger on a customer table that checks if the customer has any pending orders in the orders table; if yes, prevent the deletion.
3. Write a trigger on orders that logs the deleted product's details into a deleted_products archive table.
4. Create a trigger on orders that sets the order_date column to the current date if it is not provided during insert.
5. Create a trigger on that prevents updating the quantity to a negative number and raises an error.
6. Implement an update trigger on orders that prevents changing the order status back to 'pending' once it has been marked 'shipped'.