

Name	Type	Purpose	How it works	Located in file
new_emp	Procedure	To add new employee into Employee table		Procedures.sql
before_insert_emp	Trigger	Check for duplicate employee before insert a new row into Employee table	Check for duplicate employee via employee_id or phone_number	Procedures.sql
new_customer	Procedure	To add new customer into Customer table		Procedures.sql
before_insert_customer	Trigger	Check for duplicate customer before insert a new row into Customer table	Check for duplicate customer via customer_id or phone_number	Procedures.sql
new_supplier	Procedure	To add new supplier into Supplier table		Procedures.sql
before_insert_supplier	Trigger	Check for duplicate supplier before insert a new row into Supplier table	Check for duplicate supplier via supplier_id or phone_number	Procedures.sql
new_product_inventory	Procedure	To add new product into Product table and new inventory into Inventory table	Whenever a new product is added into Product table, a new row is also inserted into Inventory table	Procedures.sql
before_insert_product	Trigger	Check for duplicate product before insert a new row into Product table	Check for duplicate product via product_id or (supplier_ID, product_name)	Procedures.sql

Name	Type	Purpose	How it works	Located in file
new_order	Procedure	To add new order into Orders table and OrderDetails table	<p>Using TRANSACTION to make sure all steps are successfully executed.</p> <ul style="list-style-type: none"> - Whenever a new order is inserted into Order table, a new row is also inserted into OrderDetails table. - Inventory is updated accordingly based on order status - Updated inStore_credit and used_credit in the Customer table if any credit is used for the Sales Order. - Insert a new row into Accounts_receivable if any customer_credit is used <p><u>Note:</u> If the Sales Order's status is Quote, no table is affected except Orders and OrderDetails</p>	Sales Order procedure.sql
before_insert_order	Trigger	Check for requirements before insert a new order into Orders table	<ul style="list-style-type: none"> - Check for duplicate prder using order_id - Check if any applied credits are more than available credits (both inStore_credit and customer_credit) - Check if any applied discount are more than total order amount before tax, any applied in-store credit more than total order amount or any applied customer credit more than final total order amount after applying any inStore credits 	Sales Order procedure.sql
ordered_quantity_check	Trigger	Check for requirements before insert a new row into OrderDetails table	<ul style="list-style-type: none"> - Check for duplicate order item for the specified order by (order_id,product_id) - Check if ordered quantity is less than available quantity in stock 	Sales Order procedure.sql
order_items	Procedure	To add additional items when customer buys more than 1 item for their order	<ul style="list-style-type: none"> - Insert a new row into OrderDetails then automatically re-calculate and update total order amount in Orders table - Update inventory accordingly 	Sales Order procedure.sql
update_order_status	Trigger	After when the Order Status is updated, automatically update associated information	Depending on the new order status and old order status, Inventory, Customer credits (in store and customer credit), Accounts receivable (if any) are updated accordingly	Sales Order procedure.sql

Name	Type	Purpose	How it works	Located in file
update_order_items	Trigger	Check for order status before update order details (quantity to be specific)	Order details can only be updated and take effects when its status is 'processing' <u>Note:</u> Only applied when we need to change the quantity for the existing item in the order. In case of different product_id (different item), insert a new row into OrderDetails table instead and change the quantity of the specific existing item to 0.	Sales Order procedure.sql
before_update_customer_credit	Trigger	To make sure that all types of credits used for the order will be less than the customer's available credits	Check if new inStore_credit or new remaining_credit_limit is negative for that customer after update	Sales Order procedure.sql
new_PO	Procedure	To add new purchasing order into Purchasing_Order table	Using TRANSACTION to make sure all steps are successfully executed. - Whenever a new PO is inserted into Purchasing_Order table, a new row is also inserted into PO_Details table. - Updated used_credit in the Supplier table and insert a new row into Accounts_payable table if any supplier credit is used.	Purchasing Order Procedure.sql
before_insert_PO	Trigger	Check for requirements before inserting a new PO	- Check for duplicate PO using PO_id - Check if applied supplier credits are more than available credits - Check if any applied discount is more than total order amount before tax as well as any applied supplier credit is more than total order amount	Purchasing Order Procedure.sql
before_insert_Poitems	Trigger	Check for duplicate order item for the specific PO	Check for duplicate order item for the specific PO using (PO_id, product_id)	Purchasing Order Procedure.sql
PO_items	Procedure	To add additional items when the purchase order has more than 1 item	- Insert a new row into PO_details - Automatically re-calculate and update total order amount in Orders table - Update inventory accordingly	Purchasing Order Procedure.sql

Name	Type	Purpose	How it works	Located in file
update_PO_status	Trigger	After when the PO Status is updated, automatically update associated information	Depending on the new order status and old order status, Inventory, Supplier credits, Accounts Payable (if any) are updated accordingly	Purchasing Order Procedure.sql
update_PO_items	Trigger	Check for order status before update order details (quantity to be specific)	PO details can only be updated and take effects when its status is 'processing' <u>Note:</u> Only applied when we need to change the quantity for the existing item in the PO. In case of different product_id (different item), insert a new row into PO_Details table instead and change the quantity of the specific existing item to 0.	Purchasing Order Procedure.sql
before_update_supplier_credit	Trigger	To make sure that supplier credits used for the order will be less than the supplier's available credits	- Check if new remaining_credit_limit is negative for that supplier after update	Purchasing Order Procedure.sql
paid_AP	Trigger	Check for requirements before update on Accounts_payable	- Check if payment_date and check_no are inserted when the account_payable is resolved. - Automatically update used supplier credit in both Supplier table and Purchasing_Order table	Resolved accounts_Check.sql
paid_AR	Trigger	Check for requirements before update on Accounts_receivable	- Check if payment_date and check_no are inserted when the account_receivable is resolved. - Automatically update used customer credit in both Customer table and Orders table	Resolved accounts_Check.sql