

Lab Tasks:

1. Create a new table named `product_inventory` with columns for `product_id`, `product_name`, `stock`, and `price`. Insert three different product records with initial stock values. Without committing the transaction, reduce the stock of one of the products and create a savepoint named `stock_update`.
2. In the employee table, add a new employee with a salary. Then, increase their salary by 10%, set a savepoint named `salary_increase`, and then further increase it by another 5%. Rollback to the `salary_increase` savepoint.
3. Use the customer and orders tables. Insert a new customer into the customer table. Then, insert an order for this customer in the orders table. Use a transaction control to ensure that both the customer and order are inserted only if both statements are successful; otherwise, roll back the changes.
4. Enable AUTOCOMMIT mode in your SQL environment. Insert a row in the sales table with `sales_id`, `customer_id`, and `amount`. After the insertion, check if the row has been committed automatically. Disable AUTOCOMMIT afterward.
5. Using the transactions table, simulate a transaction where multiple debits and credits are made on an account. Set multiple savepoints after each debit or credit operation, and then rollback to a specific savepoint to undo one of the operations.

The End 😊