

Assignment 5: Begin a transaction, perform a series of INSERTs into 'orders', setting a SAVEPOINT after each, rollback to the second SAVEPOINT, and COMMIT the overall transaction.

-- BEGIN a transaction

BEGIN;

-- INSERT a new record into the 'orders' table and set a SAVEPOINT
SAVEPOINT savepoint1;

INSERT INTO orders (customer_id, order_date, order_value)
VALUES (123, '2024-04-16', 100.00);

-- INSERT another record into the 'orders' table and set a SAVEPOINT
SAVEPOINT savepoint2;

INSERT INTO orders (customer_id, order_date, order_value)
VALUES (456, '2024-04-17', 150.00);

-- Rollback to the second SAVEPOINT

ROLLBACK TO SAVEPOINT savepoint2;

-- COMMIT the overall transaction

COMMIT;

In this script:

We begin a transaction using the `BEGIN;` statement.

We perform a series of `INSERT` statements into the 'orders' table, setting a `SAVEPOINT` after each `INSERT` operation.

After the second `INSERT` operation, we rollback to the second `SAVEPOINT` using `ROLLBACK TO SAVEPOINT savepoint2;`

Finally, we commit the overall transaction using the `COMMIT;` statement, which makes the changes permanent except for the ones rolled back.

Ensure you replace 123, 456, '2024-04-16', '2024-04-17', 100.00, and 150.00 with appropriate values based on your database schema and requirements.