

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.

ANS:

Begin;

INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (10, 1, 101, 1, '2024-02-16');

SAVEPOINT SP1;

INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (11, 2, 102, 3, '2024-02-17');

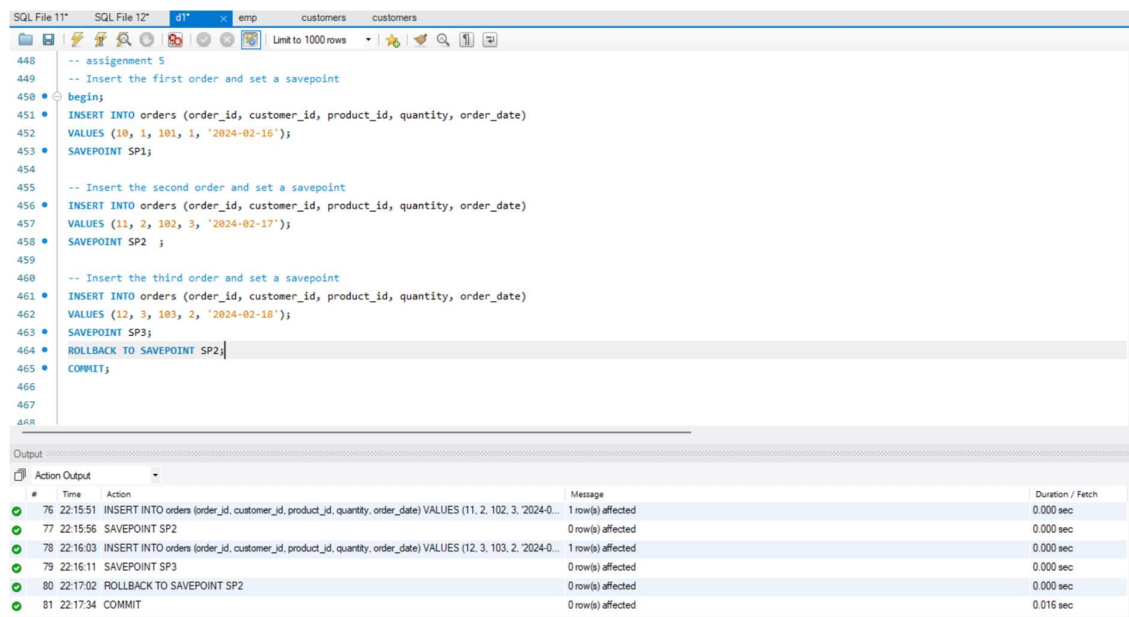
SAVEPOINT SP2;

INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (12, 3, 103, 2, '2024-02-18');

SAVEPOINT SP3;

ROLLBACK TO SAVEPOINT SP2;

COMMIT;



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-- assignment 5
-- Insert the first order and set a savepoint
begin;
INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (10, 1, 101, 1, '2024-02-16');
SAVEPOINT SP1;

-- Insert the second order and set a savepoint
INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (11, 2, 102, 3, '2024-02-17');
SAVEPOINT SP2;

-- Insert the third order and set a savepoint
INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (12, 3, 103, 2, '2024-02-18');
SAVEPOINT SP3;
ROLLBACK TO SAVEPOINT SP2;
COMMIT;
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#	Time	Action	Message	Duration / Fetch
76	22:15:51	INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date) VALUES (11, 2, 102, 3, '2024-02-17')	1 row(s) affected	0.000 sec
77	22:15:56	SAVEPOINT SP2	0 row(s) affected	0.000 sec
78	22:16:03	INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date) VALUES (12, 3, 103, 2, '2024-02-18')	1 row(s) affected	0.000 sec
79	22:16:11	SAVEPOINT SP3	0 row(s) affected	0.000 sec
80	22:17:02	ROLLBACK TO SAVEPOINT SP2	0 row(s) affected	0.000 sec
81	22:17:34	COMMIT	0 row(s) affected	0.016 sec

