

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.

SOLUTION:

```
CREATE TABLE orders(  
  order_id INT PRIMARY KEY,  
  customer_id INT,  
  order_date DATE,  
  total_amount DECIMAL(10,2)  
);
```

```
INSERT INTO  
orders(order_id,customer_id,order_date,total_amount)  
VALUES  
  
(121,1, '2024-05-01', 500.80),  
(122, 3, '2022-05-03', 650.00),  
(123, 2, '2023-05-05', 200.67);
```

```
START TRANSACTION;
```

```
INSERT INTO
orders(order_id,customer_id,order_date,total_amount)
VALUES
(124, 2, '2023-05-25', 210.67);
SAVEPOINT first_savepoint;
```

```
INSERT INTO
orders(order_id,customer_id,order_date,total_amount)
VALUES
(125, 5, '2024-05-22', 810.67);
SAVEPOINT second_savepoint;
```

```
INSERT INTO
orders(order_id,customer_id,order_date,total_amount)
VALUES
(126, 5, '2024-05-21', 610.67);
ROLLBACK to second_savepoint;
COMMIT;
```

OUTPUT:

```
1 • SELECT * FROM assign12.orders;
```

Result Grid				
Filter Rows: <input type="text"/>				
	order_id	customer_id	order_date	total_amount
▶	121	1	2024-05-01	500.80
	122	3	2022-05-03	650.00
	123	2	2023-05-05	200.67
★	NULL	NULL	NULL	NULL

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1 • SELECT * FROM assign12.orders;
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Result Grid				
Filter Rows: <input type="text"/>				
	order_id	customer_id	order_date	total_amount
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	123	2	2023-05-05	200.67
	124	2	2023-05-25	210.67
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Result Grid				
Filter Rows:				
Edit:				
	order_id	customer_id	order_date	total_amount
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	122	3	2022-05-03	650.00
	123	2	2023-05-05	200.67
	124	2	2023-05-25	210.67
	125	5	2024-05-22	810.67
*	NULL	NULL	NULL	NULL

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Result Grid				
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Edit:				
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	125	5	2024-05-22	810.67
	126	5	2024-05-21	610.67
*	NULL	NULL	NULL	NULL

1 • `SELECT * FROM assign12.orders;`



Result Grid



Filter Rows:

Edit:



	order_id	customer_id	order_date	total_amount
▶	121	1	2024-05-01	500.80
	122	3	2022-05-03	650.00
	123	2	2023-05-05	200.67
	124	2	2023-05-25	210.67
	125	5	2024-05-22	810.67
✱	NULL	NULL	NULL	NULL