Hands-on Lab: Committing and Rolling Back a Transaction



Objectives

After completing this lab, you will be able to:

Permanently save the changes done in a transa
Undo the transaction that has not been saved

Software Used in this Lab



Database Used in this Lab

Data Used in this Lab

ACCOUNTNUMBER	ACCOUNTNAME	BALANCE
B001	Rose	300.00
B002	James	1345.00
B003	Shoe Shop	124200.00
B004	Corner Shop	76000.00

PRODUCT	STOCK	PRICE
Boots	11	200.00
High heels	8	600.00
Brogues	10	150.00
Trainers	14	300.00

BankAccounts-CREATE.sql
 ShocShop-CREATE.sql

Sample Exercise

Scenario: Rose is buying a pair of boots from StooStop. So we have to update Rose's buying a pair of boots.

```
    Once the tables are ready, create a stored procedure rostine named TRANSACTION, ROSE that includes TCL communic like COMMIT and ROLLBACK.

Now develop the rostine based on the given scenario is necessit a transaction.

To create this need procedure rostine in SADIQCL, only the code below and guise it is the lextures of the SQL page. Click Ga.
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3. Let's now check if the transaction can successfully be committed or not. Copy the code below in a new blank script and paste it to the textures of the SQL page. Click Go
```

The first dreet UPOUTs hoteld run succossfully, Both for binance of Base and Sheekbop should have been updated in the Bank-Accounts table. The current binance of Base should stand at 300-200 (price of a pair of Bosts)—100. The current binance of Sheekbop should stand at 134,200-200 -134,000 The stock of Bosts should show be updated in the Sheekbop table silter the necessful purchase for Rose, [1] - 1 = 10.

The last UPOUTE attenuent ties to boy Rose a pair of Tainon, but her binance becomes insufficient (Current binance of Rose, [2] - 1 the coll of Bosts So, the bast UPOUTE attenuent fish, Since the whole transcrion fish if any of the SQL attenuents fish, the transaction work be committed.

Practice exercise

Create a stored procedure TRANSACTION, JAMES to execute a transaction based on the following securie: First boy James 4 pairs of Trainers from ShocShop, Update his balance or shocShop, Also, update the stock of Trainers at ShocShop. Then attempt to boy James a pair of Boogses from ShocShop, I lazy of the UPDATE statements fail, the whole the shock of Trainers at ShocShop. Then attempt to boy James a pair of Boogses from ShocShop, I lazy of the UPDATE statements fail, the whole the shock of Trainers at ShocShop. Then attempt to boy James a pair of Boogses from ShocShop, I lazy of the UPDATE statements fail, the whole the shock of Trainers at ShocShop. Then attempt to boy James a pair of Boogses from ShocShop, I lazy of the UPDATE statements fail, the whole the shock of Trainers at ShocShop. Then attempt to boy James a pair of Boogses from ShocShop, I lazy of the UPDATE statements fail, the whole the shock of the update the update

Conclusion

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White a steed procedure to record a transaction in multiple tables.

Understand the difference between permanent and rollable transaction.

Perform a rollback.

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