

exp 9: transaction control – commit rollback

-- Step 1: Create the Accounts table

```
CREATE TABLE Accounts (  
    AccountID INT PRIMARY KEY,  
    AccountHolderName VARCHAR(100),  
    Balance DECIMAL(10, 2)  
);
```

-- Step 2: Insert initial data

```
INSERT INTO Accounts (AccountID, AccountHolderName, Balance) VALUES  
(1, 'Alice', 5000.00),  
(2, 'Bob', 3000.00),  
(3, 'Charlie', 7000.00);
```

-- Step 3: Begin the transaction for transferring 1000.00 from Alice to Bob

```
BEGIN TRANSACTION;
```

-- Step 4: Deduct 1000.00 from Alice's account

```
UPDATE Accounts  
SET Balance = Balance - 1000  
WHERE AccountID = 1;
```

-- Step 5: Add 1000.00 to Bob's account

```
UPDATE Accounts  
SET Balance = Balance + 1000  
WHERE AccountID = 2;
```

-- Step 6: Check for errors and decide to ROLLBACK or COMMIT

-- For this example, we assume everything is correct

-- If there was an issue, we would use ROLLBACK

-- ROLLBACK; -- Uncomment this line to roll back the changes

-- Step 7: Commit the changes if everything is fine

COMMIT;

-- Step 8: Create a checkpoint to make sure changes are saved

CHECKPOINT;

-- Step 9: Display the updated table to verify the changes

SELECT * FROM Accounts;