Lab: Triggers and Transactions

You can check your solutions here: https://judge.softuni.bg/Contests/3202/Additional-Exercises.

Create a database **BankTransactions** and table **Accounts** by executing the following code:

```
CREATE DATABASE
BankTransactions
GO

USE BankTransactions
GO

CREATE TABLE Accounts
(
      AccountId INT PRIMARY KEY
      , [NAME] VARCHAR (20)
      , Balance MONEY
)
GO
INSERT INTO Accounts (AccountId, [NAME], Balance) VALUES (1, 'Tom', 100)
INSERT INTO Accounts (AccountId, [NAME], Balance) VALUES (2, 'Jerry', 50)

GO
```

1. Bank Transactions

Create a transaction, that transfers money from one customer's account to another customer's account. Create **usp_SendMoney** that should take parameters:

- **senderAccountId int**
- **receiverAccountId int**
- **amount**

If you receive **NULL** for sender account id or receiver account id raise error with message **'Account doesn''t exist!'**. And if the sender does not have enough money for the wanted transaction raise error with message **'Insufficient funds!'**.

If the transaction does not affect only one row, do not withdraw.

Submit your query **only** for the **procedure**.

Example

Transfer 40 from Jerry to Tom

AccountId	NAME	Balance
1	Tom	140.00
2	Jerry	10.00

2. Trigger Accounts Delete

Use **BankTransactions** database. Add to the table **Accounts** a **new column** that takes **0 or 1** values and name it **IsDeleted.** Add to the table **Accounts** a trigger **tr_AccountsDelete,** that instead of deleting a row, changes the value of the **IsDeleted** column **to 1 if it is 0**.

Example

Delete the row where AccountId is 1.

```sql
DELETE FROM Accounts WHERE AccountId=1
```

98 %

	AccountId	NAME	Balance	IsDeleted
1	1	Tom	140.00	0

```sql
SELECT *
    FROM Accounts
```

98 %

	AccountId	NAME	Balance	IsDeleted
1	1	Tom	140.00	1
2	2	Jerry	10.00	0