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package com.jiang.Transaction;

import java.sql.SQLException;

public class AccountServiceImpl implements AccountService {
    @Override
    public void transfer(int fromCardId, int toCardId, int money) {
        AccountDaoImpl accountDao=new AccountDaoImpl();
        //开始事务
        JDBCUtil.beginTransaction();
        //各种DML操作
        //a -1000 b +1000
        //根据cardId查询相应的账户
        try {
            Account fromAccount = accountDao.queryAccountByCard(fromCardId);
            Account toAccount = accountDao.queryAccountByCard(toCardId);
            //转账
            if (fromAccount.getBalance() > money) {
                //付款方
                fromAccount.setBalance(fromAccount.getBalance() - money);
                fromAccount.setCardId(fromCardId);
                accountDao.updateAccount(fromAccount);
                //收款方
                toAccount.setBalance(toAccount.getBalance() + money);
                toAccount.setCardId(toCardId);
                accountDao.updateAccount(toAccount);
                System.out.println("转账成功!");
                //正常提交事务
                JDBCUtil.commitTransaction();
            } else {
                System.out.println("余额不足!");
            }
        } catch (Exception e){
            JDBCUtil.rollbackTransaction();
            e.printStackTrace();
        } finally {
            //结束事务
            JDBCUtil.close();
        }
    }
}

```

