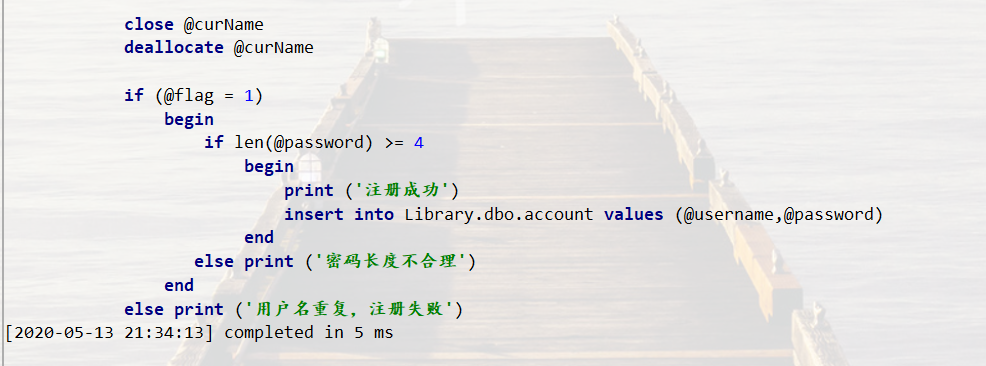
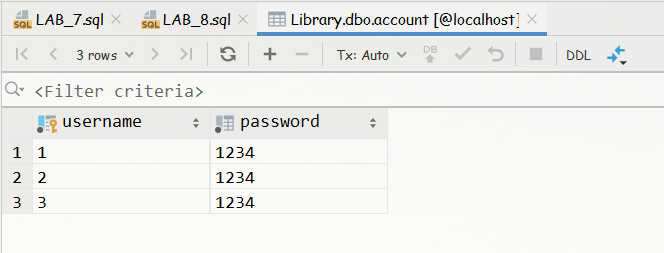
### 注册

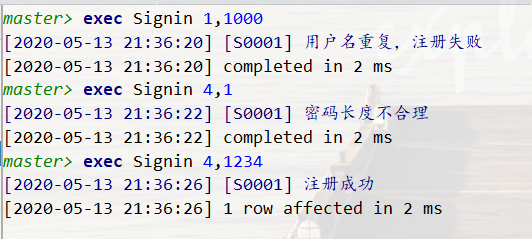
**create procedure** *Signin* @username **varchar**(255),  
 @password **char**(15)  
**as  
 declare** @store\_username **varchar**(255)  
 **declare** @flag **int  
 set** @flag = 1  
  
 **declare** @curName **cursor  
 set** @curName = **cursor  
 scroll dynamic  
 for  
 select username from** Library.dbo.account  
  
 **open** @curName  
  
 **fetch first from** @curName **into** @store\_username  
 **if** @store\_username = @username  
 **set** @flag = 0  
 **else  
 begin  
 while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curName **into** @store\_username  
 **if** @store\_username = @username  
 **set** @flag = 0  
 **end  
 end  
  
 close** @curName  
 **deallocate** @curName  
  
 **if** (@flag = 1)  
 **begin  
 if** *len*(@password) >= 4  
 **begin  
 print** (**'注册成功'**)  
 **insert into** Library.dbo.account **values** (@username,@password)  
 **end  
 else print** (**'密码长度不合理'**)  
 **end  
 else print** (**'用户名重复，注册失败'**)  
**go**

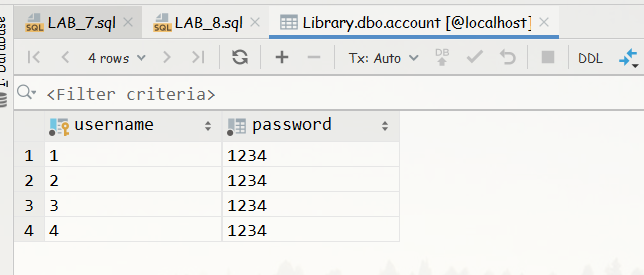


测试：

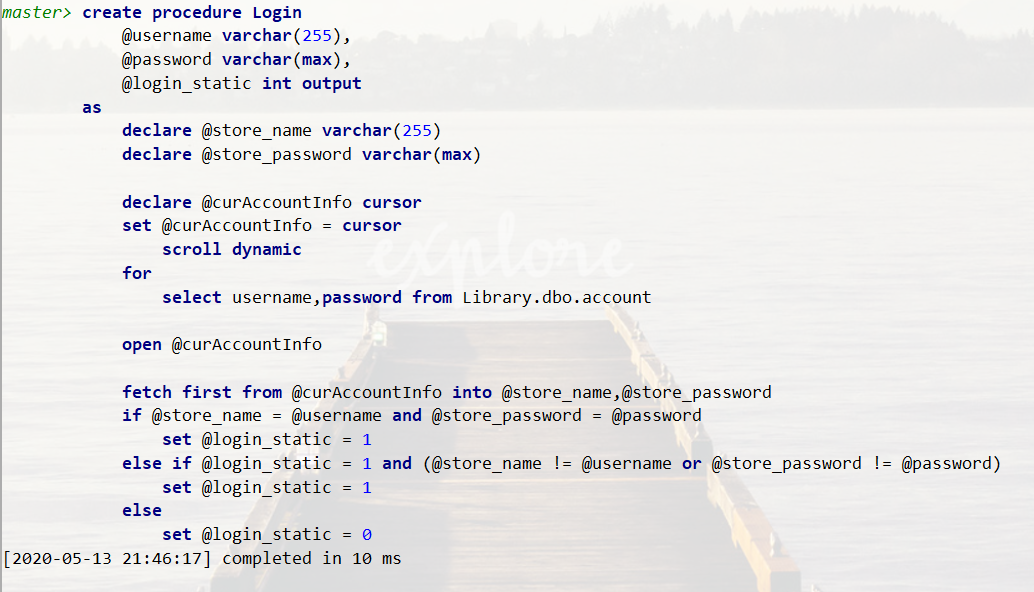


**exec** *Signin* 1,1000  
**exec** *Signin* 4,1  
**exec** *Signin* 4,1234

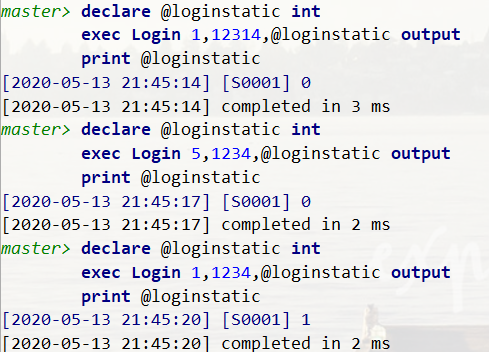




### 登录

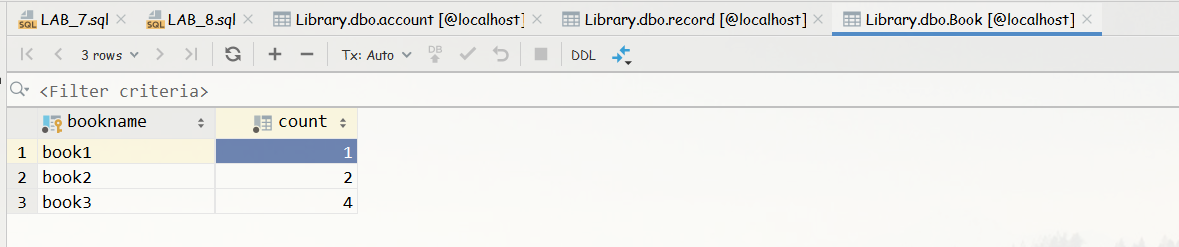
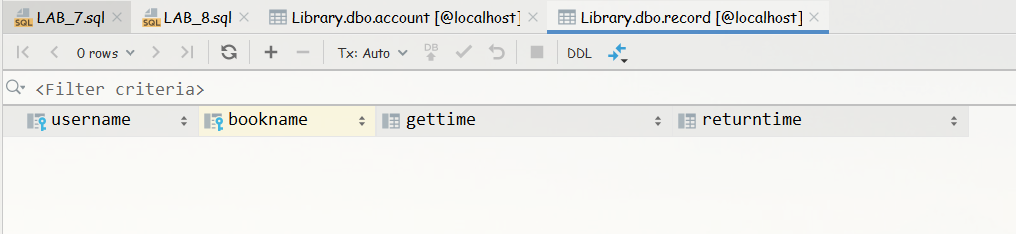
**create procedure** *Login* @username **varchar**(255),  
 @password **varchar**(**max**),  
 @login\_static **int output  
as  
 declare** @store\_name **varchar**(255)  
 **declare** @store\_password **varchar**(**max**)  
  
 **declare** @curAccountInfo **cursor  
 set** @curAccountInfo = **cursor  
 scroll dynamic  
 for  
 select username**,**password from** Library.dbo.account  
  
 **open** @curAccountInfo  
  
 **fetch first from** @curAccountInfo **into** @store\_name,@store\_password  
 **if** @store\_name = @username **and** @store\_password = @password  
 **set** @login\_static = 1  
 **else if** @login\_static = 1 **and** (@store\_name != @username **or** @store\_password != @password)  
 **set** @login\_static = 1  
 **else  
 set** @login\_static = 0  
**go**

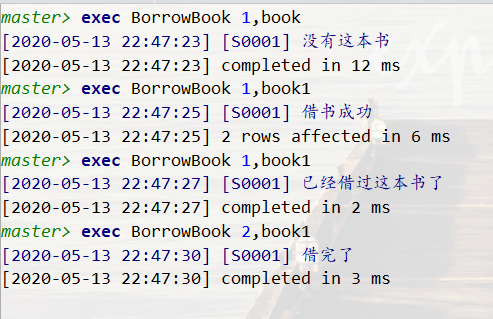
**测试  
declare** @loginstatic **int  
exec** *Login* 1,12314,@loginstatic **output  
print** @loginstatic  
**go  
  
declare** @loginstatic **int  
exec** *Login* 5,1234,@loginstatic **output  
print** @loginstatic  
**go  
  
  
declare** @loginstatic **int  
exec** *Login* 1,1234,@loginstatic **output  
print** @loginstatic  
**go**

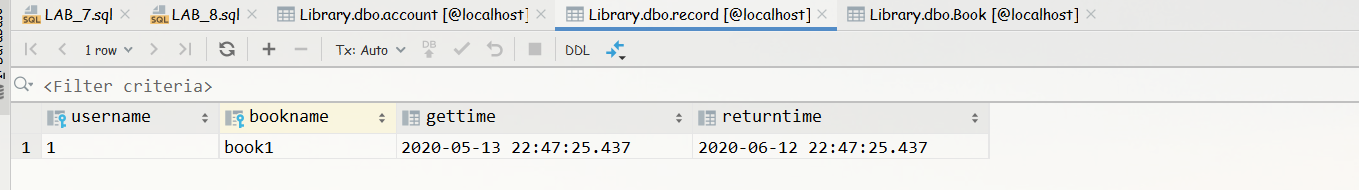
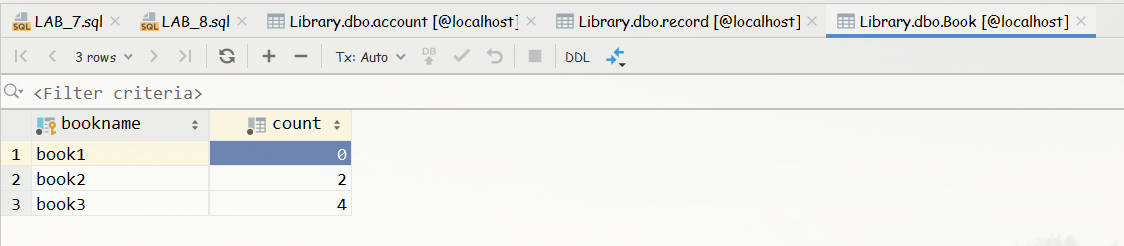


### 借书

**create procedure** *BorrowBook* @username **varchar**(255),  
 @bookname **varchar**(255)  
**as  
declare** @store\_user **varchar**(255)  
**declare** @store\_bname **varchar**(255)  
**declare** @isUser **int  
declare** @isBook **int  
declare** @have **int  
declare** @count **int  
  
set** @isUser = 0  
**set** @isBook = 0  
**set** @have = 0  
  
**declare** @curUser **cursor  
set** @curUser = **cursor scroll dynamic  
for  
 select username from** Library.dbo.account  
  
**open** @curUser  
  
**fetch first from** @curUser **into** @store\_user  
**if** @store\_user = @username **set** @isUser = 1  
  
**while** *@@fetch\_status* = 0  
**begin  
 fetch next from** @curUser **into** @store\_user  
 **if** @store\_user = @username **set** @isUser = 1  
**end  
  
close** @curUser  
  
**if** @isUser = 0 **print**(**'没有该用户'**)  
**else  
 begin  
 declare** @curBname **cursor  
 set** @curBname = **cursor scroll dynamic  
 for  
 select bookname from** Library.dbo.Book  
  
 **open** @curBname  
  
 **fetch first from** @curBname **into** @store\_bname  
 **if** @store\_bname = @bookname  
 **set** @isBook = 1  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curBname **into** @store\_bname  
 **if** @store\_bname = @bookname  
 **set** @isBook = 1  
 **end  
  
 close** @curBname  
 **if** @isBook = 0 **print** (**'没有这本书'**)  
 **else  
 begin  
 declare** @curHave **cursor  
 set** @curHave = **cursor scroll dynamic  
 for  
 select username**,**bookname from** Library.dbo.record  
  
 **open** @curHave  
  
 **fetch first from** @curHave **into** @store\_user,@store\_bname  
 **if** @username = @store\_user **and** @bookname = @store\_bname  
 **set** @have = 1  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curHave **into** @store\_user,@store\_bname  
 **if** @username = @store\_user **and** @bookname = @store\_bname  
 **set** @have = 1  
 **end  
  
 close** @curHave  
  
 **if** @have = 1  
 **print** (**'已经借过这本书了'**)  
 **else  
 begin  
 declare** @curFinal **cursor  
 set** @curFinal = **cursor scroll dynamic  
 for  
 select bookname**,**count from** Library.dbo.Book  
  
 **open** @curFinal  
  
 **fetch first from** @curFinal **into** @store\_bname,@count  
 **if** @store\_bname = @bookname  
 **begin  
 if** @count > 0  
 **begin  
 print** (**'借书成功'**)  
 **insert into** Library.dbo.record **values** (@username,@bookname,*getdate*(),*dateadd*(**day** ,30,*getdate*()))  
 **update** Library.dbo.Book **set count** = @count - 1 **where bookname** = @bookname  
 **end  
 else print** (**'借完了'**)  
 **end  
  
 while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curFinal **into** @store\_bname,@count  
 **if** @store\_bname = @bookname  
 **begin  
 if** @count > 0  
 **begin  
 print** (**'借书成功'**)  
 **insert into** Library.dbo.record **values** (@username,@bookname,*getdate*(),*dateadd*(**day** ,30,*getdate*()))  
 **update** Library.dbo.Book **set count** = @count - 1 **where bookname** = @bookname  
 **end  
 else print** (**'借完了'**)  
 **end  
 end  
  
 close** @curFinal  
 **end  
 end  
 end**

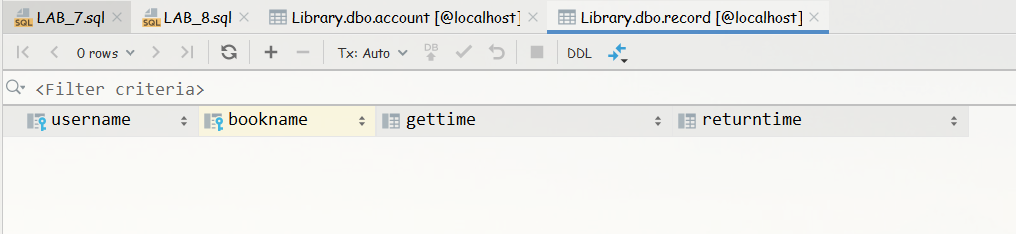
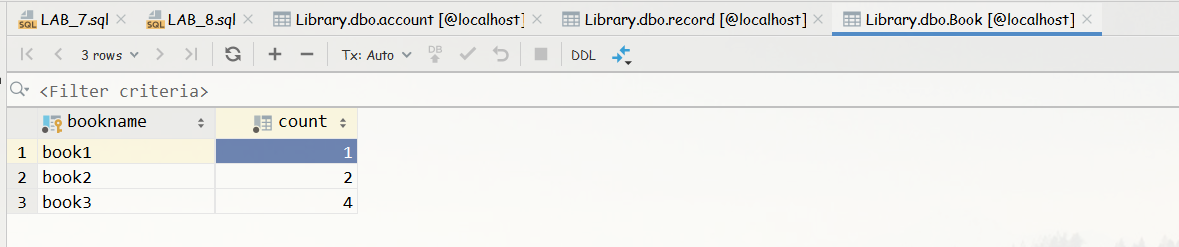
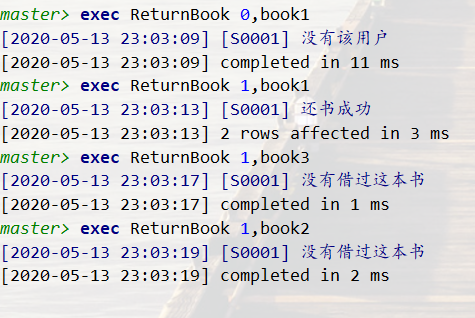
**exec** *BorrowBook* 1,book**exec** *BorrowBook* 1,book1**exec** *BorrowBook* 1,book1**exec** *BorrowBook* 2,book1



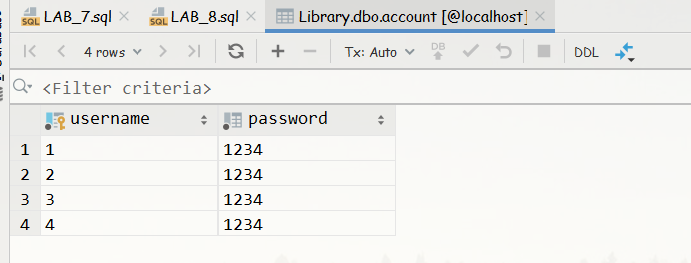


### 还书

**create procedure** *ReturnBook* @username **varchar**(255),  
 @bookname **varchar**(255)  
**as  
declare** @store\_user **varchar**(255)  
**declare** @store\_bname **varchar**(255)  
**declare** @isUser **int  
declare** @isBook **int  
declare** @have **int  
declare** @count **int  
declare** @store\_count **int  
  
set** @isUser = 0  
**set** @isBook = 0  
**set** @have = 0  
  
**declare** @curUser **cursor  
set** @curUser = **cursor scroll dynamic  
for  
 select username from** Library.dbo.account  
  
**open** @curUser  
  
**fetch first from** @curUser **into** @store\_user  
**if** @store\_user = @username **set** @isUser = 1  
  
**while** *@@fetch\_status* = 0  
**begin  
 fetch next from** @curUser **into** @store\_user  
 **if** @store\_user = @username **set** @isUser = 1  
**end  
  
close** @curUser  
  
**if** @isUser = 0 **print**(**'没有该用户'**)  
**else  
 begin  
 declare** @curBname **cursor  
 set** @curBname = **cursor scroll dynamic  
 for  
 select bookname from** Library.dbo.Book  
  
 **open** @curBname  
  
 **fetch first from** @curBname **into** @store\_bname  
 **if** @store\_bname = @bookname  
 **set** @isBook = 1  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curBname **into** @store\_bname  
 **if** @store\_bname = @bookname  
 **set** @isBook = 1  
 **end  
  
 close** @curBname  
 **if** @isBook = 0 **print** (**'没有这本书'**)  
 **else  
 begin  
 declare** @curHave **cursor  
 set** @curHave = **cursor scroll dynamic  
 for  
 select username**,**bookname from** Library.dbo.record  
  
 **open** @curHave  
  
 **fetch first from** @curHave **into** @store\_user,@store\_bname  
 **if** @username = @store\_user **and** @bookname = @store\_bname  
 **set** @have = 1  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curHave **into** @store\_user,@store\_bname  
 **if** @username = @store\_user **and** @bookname = @store\_bname  
 **set** @have = 1  
 **end  
  
 close** @curHave  
  
 **if** @have = 0  
 **print** (**'没有借过这本书'**)  
 **else  
 begin  
 declare** @curCount **cursor  
 set** @curCount = **cursor scroll dynamic  
 for  
 select bookname**,**count from** Library.dbo.Book  
  
 **open** @curCount  
 **fetch first from** @curCount **into** @store\_bname,@count  
 **if** @store\_bname = @bookname  
 **set** @store\_count = @count  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curCount **into** @store\_bname,@count  
 **if** @store\_bname = @bookname  
 **set** @store\_count = @count  
 **end  
  
 print** (**'还书成功'**)  
 **delete from** Library.dbo.record **where username**=@username **and bookname**=@bookname  
 **update** Library.dbo.Book **set count** = @store\_count+1 **where bookname**=@bookname  
 **end  
 end  
 end  
  
exec** *ReturnBook* 0,book1  
**exec** *ReturnBook* 1,book1  
**exec** *ReturnBook* 1,book3  
**exec** *ReturnBook* 1,book2



### 更改密码

**create procedure** *Chpwd* @username **varchar**(255),  
 @oldpwd **varchar**(**max**),  
 @newpwd **varchar**(**max**)  
**as  
 declare** @store\_name **varchar**(255)  
 **declare** @store\_user **varchar**(255)  
 **declare** @store\_password **varchar**(**max**)  
 **declare** @isUser **int  
  
 set** @isUser = 0  
  
 **declare** @curUser **cursor  
 set** @curUser = **cursor scroll dynamic  
 for  
 select username from** Library.dbo.account  
  
 **open** @curUser  
  
 **fetch first from** @curUser **into** @store\_user  
 **if** @store\_user = @username **set** @isUser = 1  
  
 **while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curUser **into** @store\_user  
 **if** @store\_user = @username **set** @isUser = 1  
 **end  
  
 close** @curUser  
  
 **if** @isUser = 0 **print**(**'没有该用户'**)  
 **else  
 begin  
 declare** @curP **cursor  
 set** @curP = **cursor scroll dynamic  
 for  
 select username**,**password from** Library.dbo.account  
  
 **open** @curP  
  
 **fetch first from** @curP **into** @store\_name,@store\_password  
 **if** @store\_name = @username  
 **begin  
 if** @store\_password = @oldpwd  
 **begin  
 if** *len*(@newpwd) >= 4  
 **begin  
 print** (**'更改密码成功'**)  
 **update** Library.dbo.account **set password**=@newpwd **where username**=@username  
 **end  
 else print** (**'密码长度不合理'**)  
 **end  
 else print** (**'密码错误'**)  
 **end  
  
 while** *@@fetch\_status* = 0  
 **begin  
 fetch next from** @curP **into** @store\_name,@store\_password  
 **if** @store\_name = @username  
 **begin  
 if** @store\_password = @oldpwd  
 **begin  
 if** *len*(@newpwd) >= 4  
 **begin  
 print** (**'更改密码成功'**)  
 **update** Library.dbo.account **set password**=@newpwd **where username**=@username  
 **end  
 else print** (**'密码长度不合理'**)  
 **end  
 else print** (**'密码错误'**)  
 **end  
 end  
 close** @curP  
 **end  
go** **exec** *Chpwd* 0,1234,12345  
**exec** *Chpwd* 1,12345,1234  
**exec** *Chpwd* 1,1234,1111

