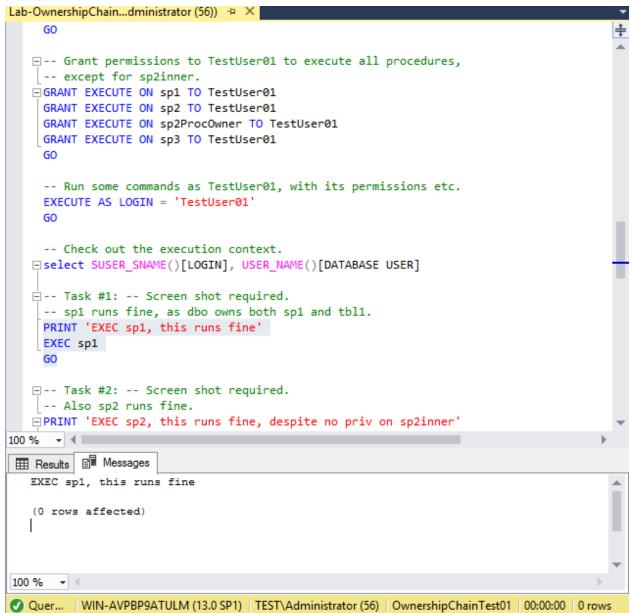
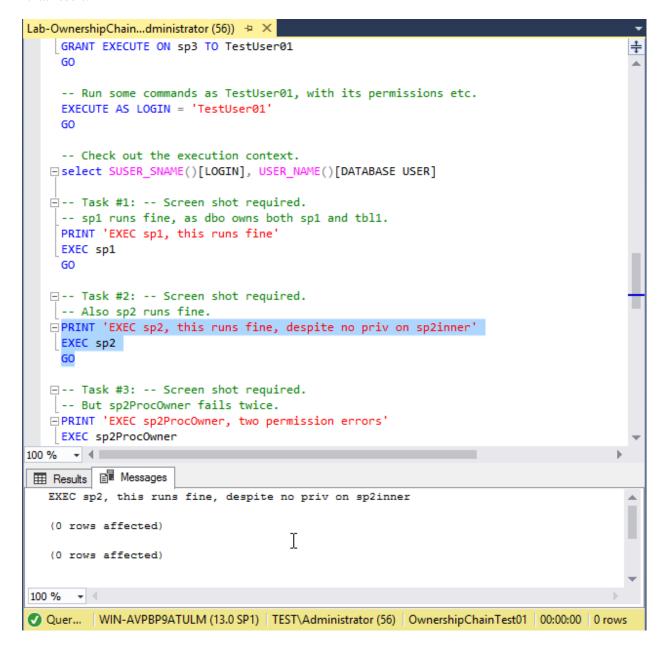
Lab: Ownership Chain

- This is an in-class lab, and worth 10 points.
- This is due on <u>Saturday</u>, <u>March 28, 2020 at midnight</u>.
- Use the following naming convention: homework, underscore, last name, first initial, and extension (e.g., Lab_Ownchain_ImG.docx).
- (<u>Task 1</u>) Show the outcome of this task in a screenshot. Also, explain briefly why you have received that result.



We were able to execute this command because we granted test user TestUser01 permission to execute the procedure sp1.

• (<u>Task 2</u>) Show the outcome of this task in a screenshot. Also, explain briefly why you have received that result.



We were able to execute this command because we granted test user TestUser01 permission to execute the procedure sp2. And it printed the outcome.

• (<u>Task 3</u>) Show the outcome of this task in a screenshot. Also, explain briefly why you have received that result.

```
Lab-OwnershipChain...dministrator (56)) → ×
     -- Run some commands as TestUser01, with its permissions etc.
     EXECUTE AS LOGIN = 'TestUser01'
     -- Check out the execution context.

□ select SUSER SNAME()[LOGIN], USER NAME()[DATABASE USER]

⊟ -- Task #1: -- Screen shot required.

     -- sp1 runs fine, as dbo owns both sp1 and tbl1.
     PRINT 'EXEC sp1, this runs fine'
    EXEC sp1
     G0

— -- Task #2: -- Screen shot required.

    -- Also sp2 runs fine.
   ■PRINT 'EXEC sp2, this runs fine, despite no priv on sp2inner'
    EXEC sp2
     G0

⊟ -- Task #3: -- Screen shot required.

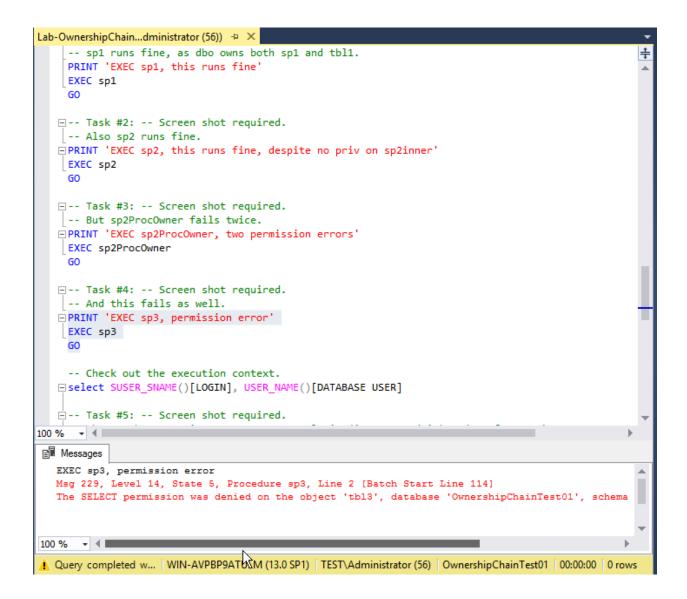
     -- But sp2ProcOwner fails twice.
   ■ PRINT 'EXEC sp2ProcOwner, two permission errors'
    EXEC sp2ProcOwner
     GO

— Task #4: -- Screen shot required.

100 % ▼ ◀ ■
Messages
   EXEC sp2ProcOwner, two permission errors
   Msg 229, Level 14, State 5, Procedure sp2ProcOwner, Line 2 [Batch Start Line 108]
   The SELECT permission was denied on the object 'tbl2', database 'OwnershipChainTest0
  Msg 229, Level 14, State 5, Procedure sp2inner, Line 1 [Batch Start Line 108]
   The EXECUTE permission was denied on the object 'sp2inner', database 'OwnershipChain'
100 %
Quer... | WIN-AVPBP9ATULM (13.0 SP1) | TEST\Administrator (56) | OwnershipChainTest01 | 00:00:00 | 0 rows
```

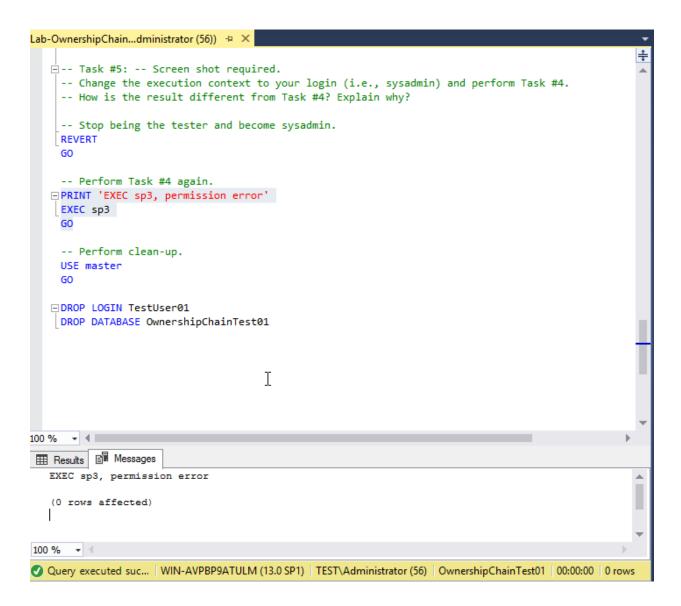
We were not able to execute this command because those stored procedures are owned by another user and we do not have permission to execute them.

• (<u>Task 4</u>) Show the outcome of this task in a screenshot. Also, explain briefly why you have received that result.



We were not able to execute this command because those stored procedures are owned by another user and we do not have permission to execute them.

• (<u>Task 5</u>) Show the outcome of this task in a screenshot. Also, explain briefly why the result is different from the one from Task #4?



We were able to execute this command because we used the command REVERT with which we reverted back to sysadmin allowing us to execute the procedure in task 4.