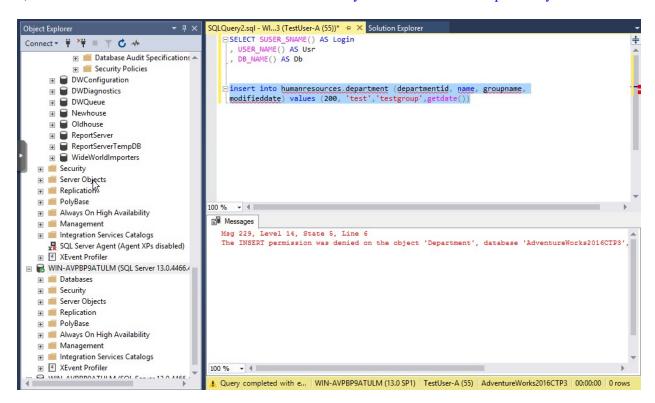
# **Homework 5: User Management**

# Task 4. Assigning User Mappings to Fixed Database Roles

A. Assigning a user to a database role

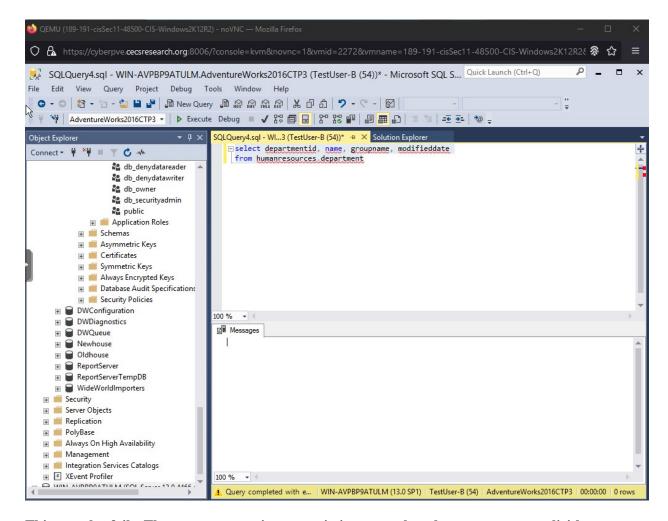
### **B.** Verifying the results

5) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails.



The reason it fails is because we added this user to the 'db\_denydatareader' role which restricts the ability to use modifications commands such as INSERT, UPDATE, or DELETE.

10) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails.



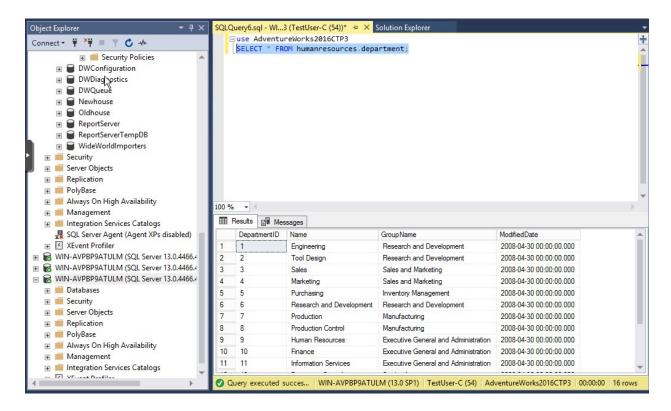
This one also fails. The user was not given permissions to make select statements explicitly.

# Task 5. Creating a Custom Database Role

A. Creating a custom database role

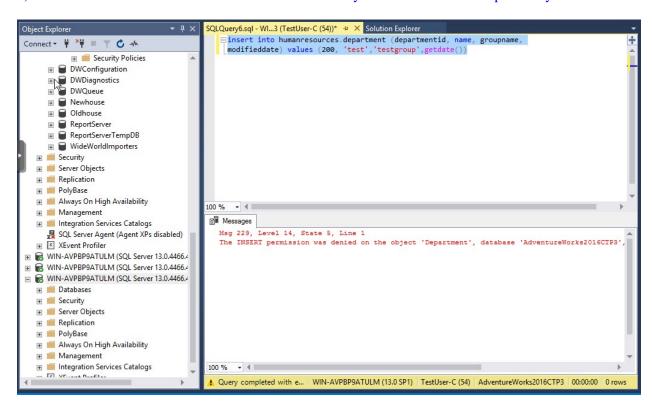
### **B.** Verifying results

4) Does it work? Show the result in a screenshot. Describe your observation and explain why it works.



## It works because we explicitly gave this user select only permissions with our new role

5) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails.



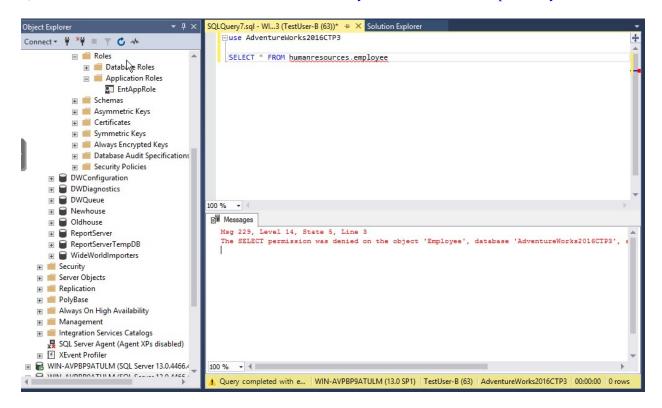
It fails because the user does not have permissions to use the insert command.

## Task 6. Creating an Application Role

## A. Creating an Application Role

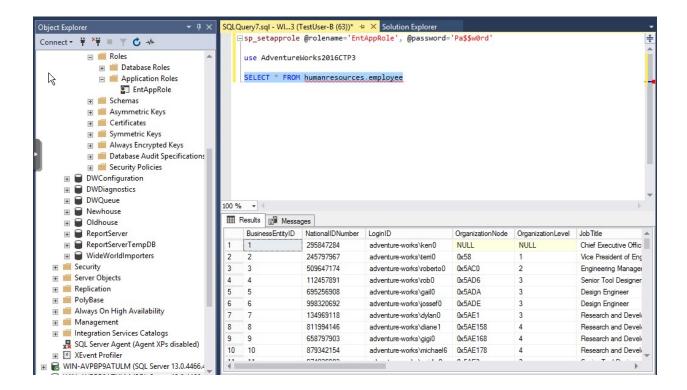
### **B.** Verifying Results

2) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails.



It fails because the application roles hasn't been enabled for this session. You have to do that first.

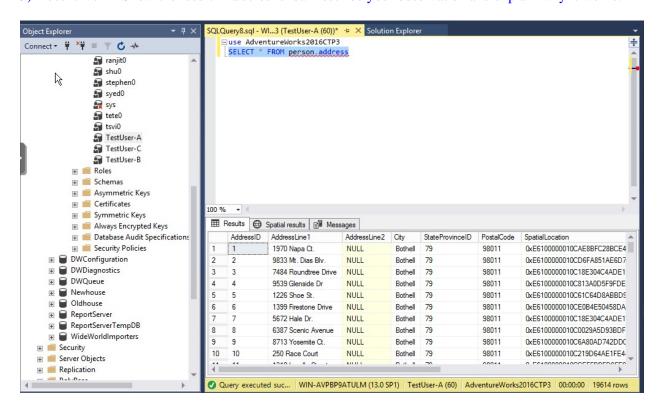
4) Does it work? Show the result in a screenshot. You have to click on Results to view the results. Describe your observation and explain why it works.



It works now because we enabled the application role for the session.

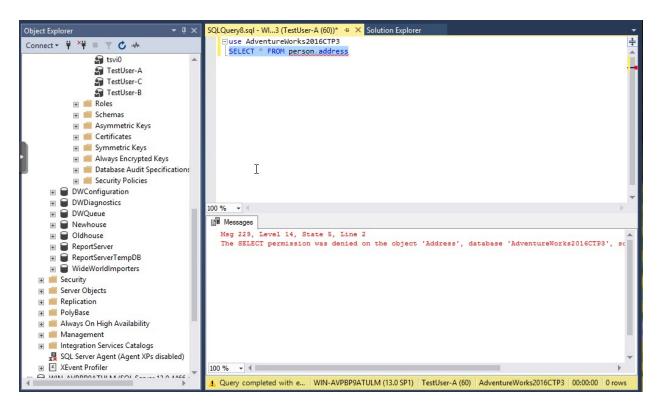
# **Task 7. Assigning Permissions**

9) Does it work? Show the result in a screenshot. Describe your observation and explain why it works.



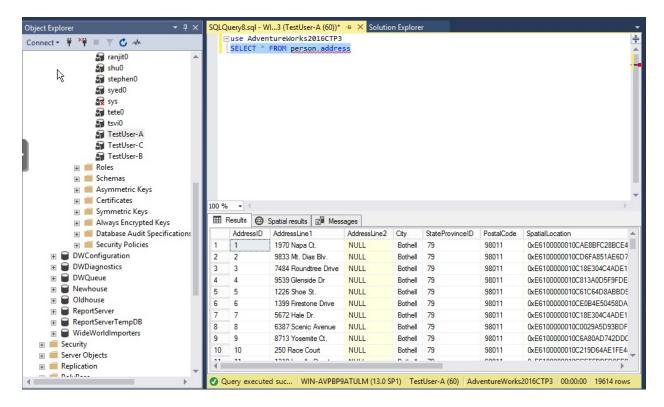
### It works because we added the permission for this user to select from this table.

13) Run the previous query. Show the result in a screenshot. Describe your observation and explain why it fails.



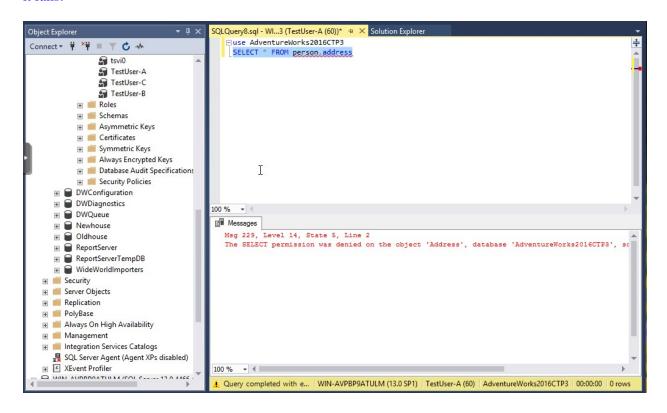
It doesn't work because we removed the select permission for this table for this user.

15) Run the previous query. Show the result in a screenshot. Describe your observation and explain why it works.



#### It works because the db\_datareader grants select statement permissions for the user

19) Run the previous query. Show the result in a screenshot. Describe your observation and explain why it fails.



It fails because we explicitly denied select permissions for this user on this table.