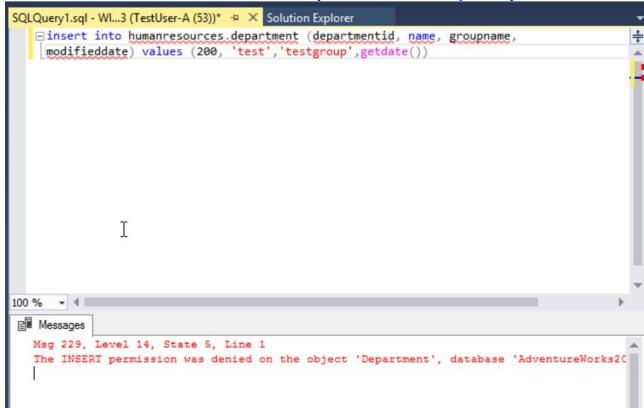
### **Homework 5: User Management**

## Task 4. Assigning User Mappings to Fixed Database Roles

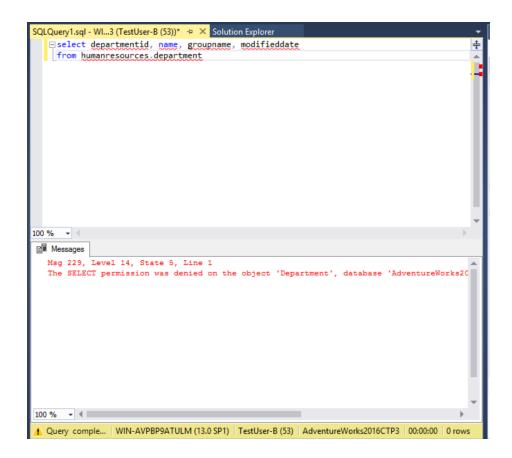
- A. Assigning a user to a database role
- **B.** Verifying the results

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



It fails because TestUser-A does not have write permissions for the AdventureWorks2016 database.

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



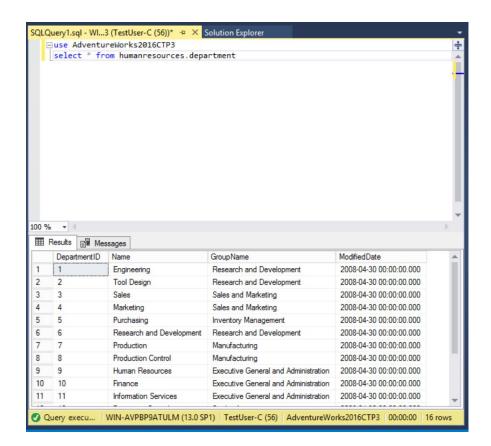
It failed because TestUser-B's account permissions doesn't allow read access for the AdventureWorks2016 database.

## Task 5. Creating a Custom Database Role

#### A. Creating a custom database role

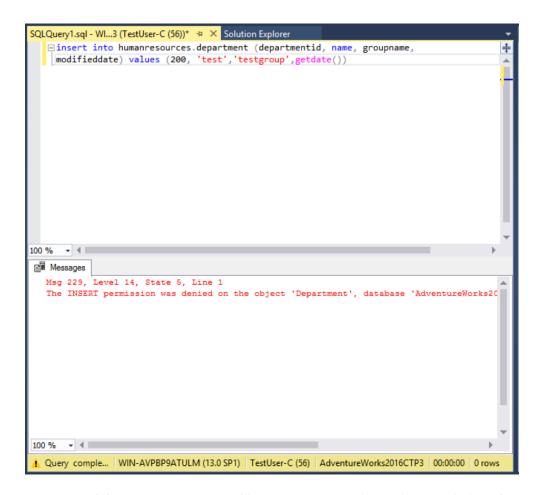
#### **B.** Verifying results

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



The query worked because we added read permissions to TestUser-C's account by granting explicit permissions to use the SELECT command for the account.

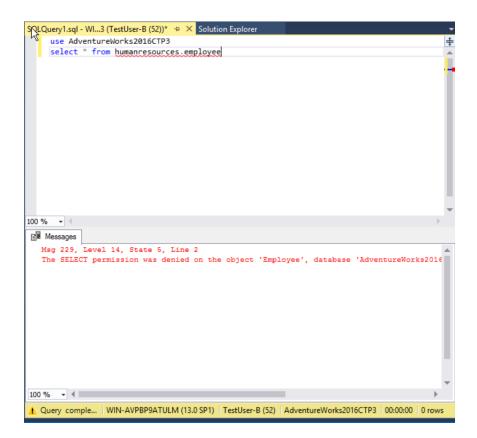
5) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails.



The query failed due to TestUser-C's account not having write permissions for the database.

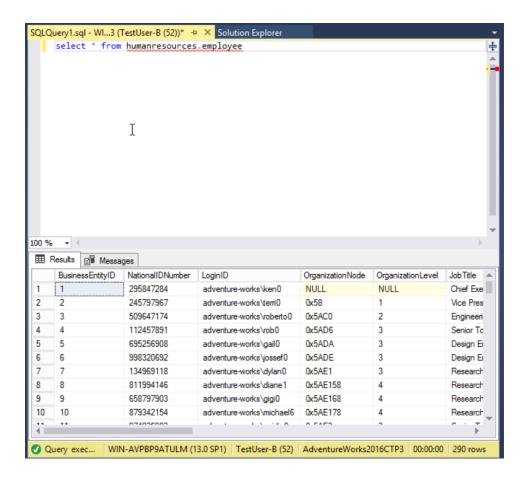
# Task 6. Creating an Application Role

- 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.



The query failed because TestUser-B needs to be added to the EntAppRole application group to read the humanresouces.employee table.

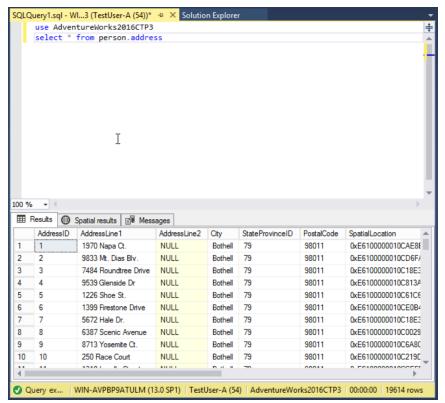
4) Does it work? Show the result in a screenshot. You have to click on Results to view the results. Describe your observation and explain why it works.



The query worked since the last command (sp\_setapprole @rolename='EntAppRole', @password='Pa\$\$w0rd') gave permissions for us to be able to read the humanresources.employee table.

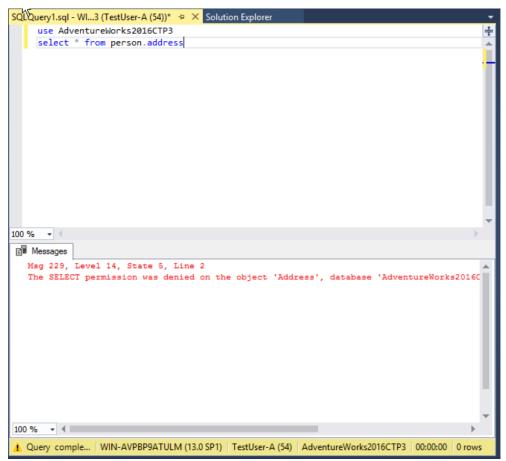
## Task 7. Assigning Permissions

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



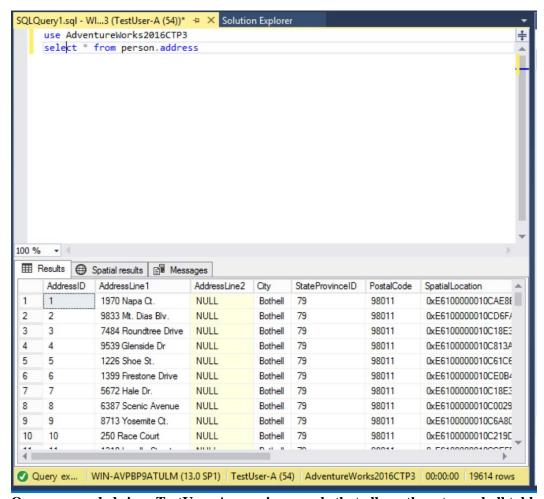
The query works due to TestUser-A being given explicit read permissions for the person.address table

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



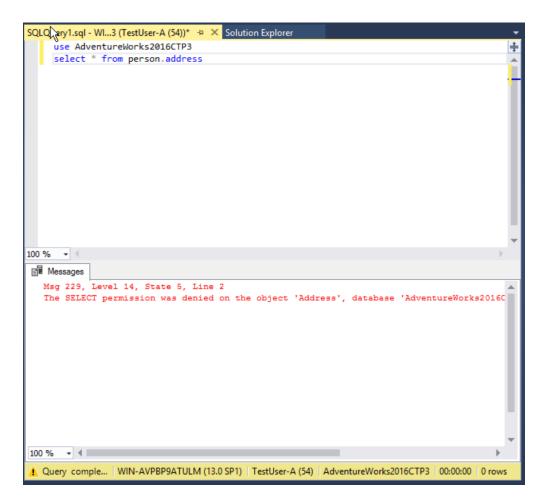
Query fails due to explicit read permissions being taken for TestUser-A reading the person.address table

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



Query succeeded since TestUser-A was given a role that allows them to read all tables within the database. (db\_datareader)

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



Query failed due to TestUser-A having the explicit deny access control enabled for the person.address table