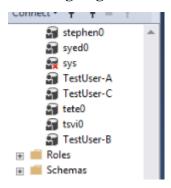
Homework #6: User Management

- This is an individual assignment, and is worth 20 points.
- The due date is Monday, March 22, 2021.
- The database for the assignment (**AdventureWorks2016CTP3**) is installed on our Proxmox server. You are to download this document after you login to the Proxmox server.
- You should answer the questions in blue.
- You will get deductions if the requested screenshots are not provided.
- Please zoom in your output. I will penalize you if your screenshots are too small.

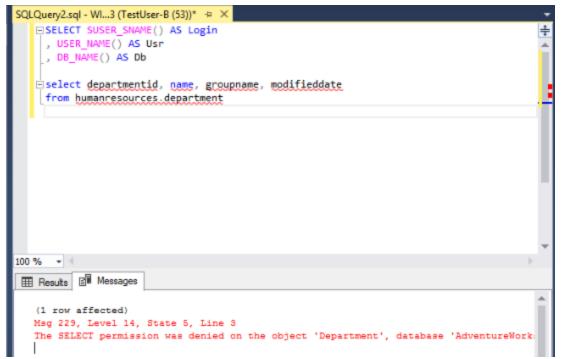
Task #4. Assigning User Mappings to Fixed Database Roles

A. Assigning a user to a database role



B. Verifying the results

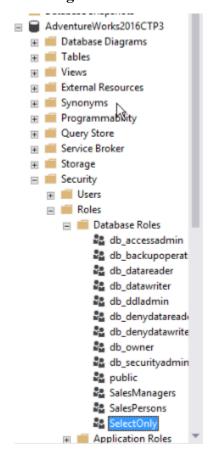
5) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails. Yes, it failed, because the human resources department is not defined within the database.



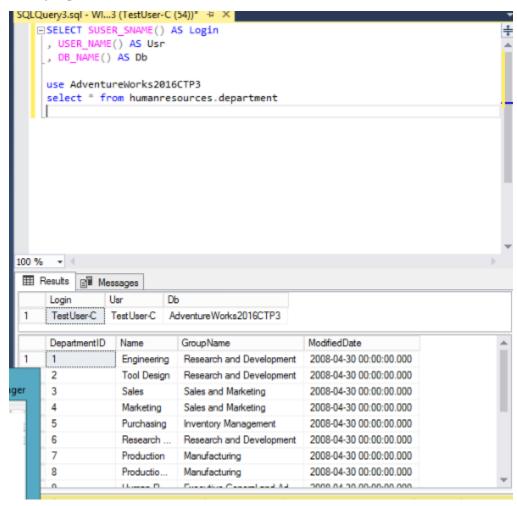
10) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails. Yes, it failed, because TestUser-B does not have access to access the data within the database.

Task #5. Creating a Custom Database Role

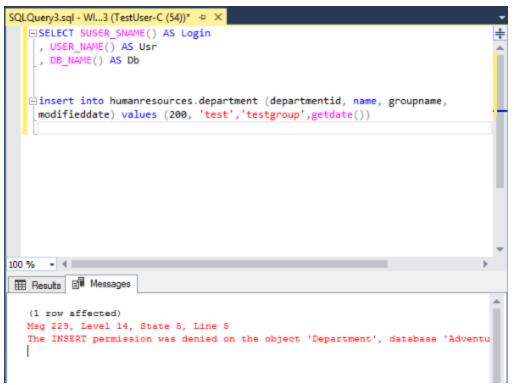
A. Creating a custom database role



B. Verifying results



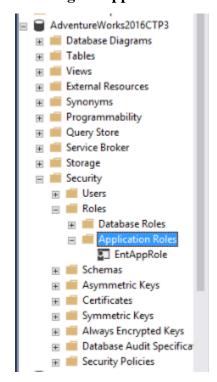
4) Does it work? Show the result in a screenshot. Describe your observation and explain why it works. Yes, it worked, because we just granted access to the user.



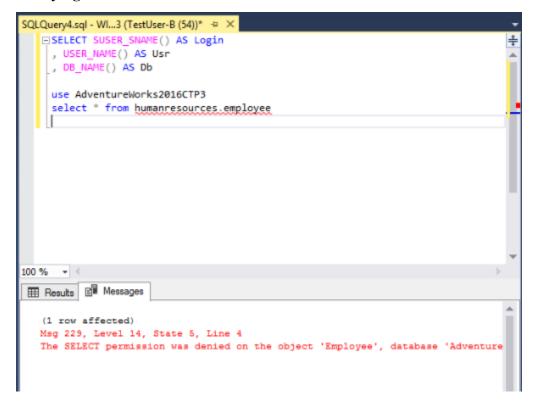
5) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails. Yes, it failed, because TestUser-C does not have datawriter privileges.

Task #6. Creating an Application Role

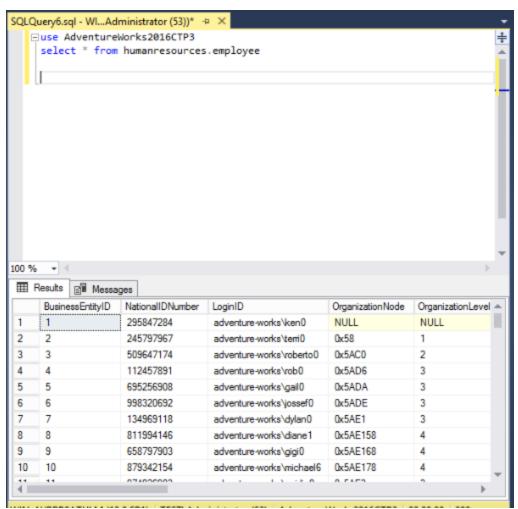
A. Creating an Application Role



B. Verifying Results

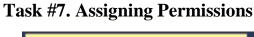


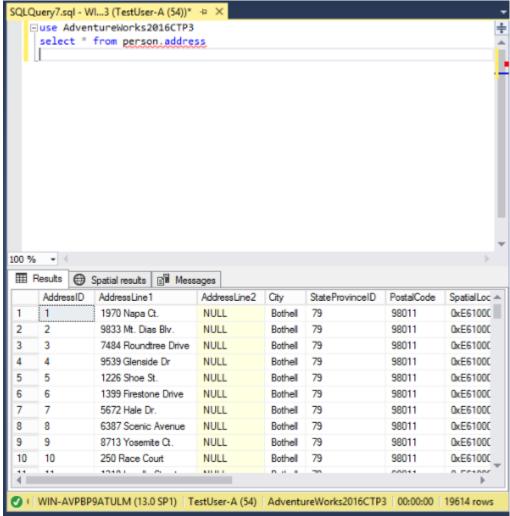
2) Does it fail? Show the result in a screenshot. Describe your observation and explain why it fails. Yes, it does fail, because we gave select permission to the admin account not TestUser-B.



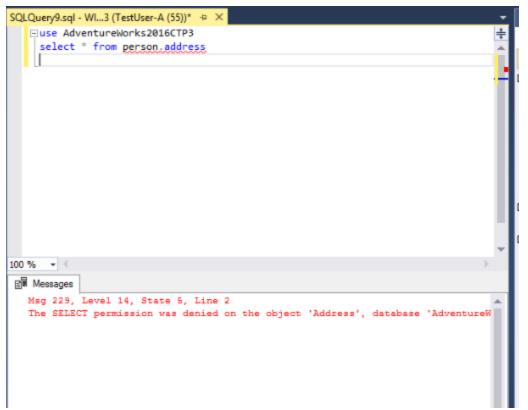
4) Does it work? Show the result in a screenshot. You have to click on Results to view the results. Describe your observation and explain why it works.

Yes, it did work, because we enabled the application role, allowing the query the proper permissions.



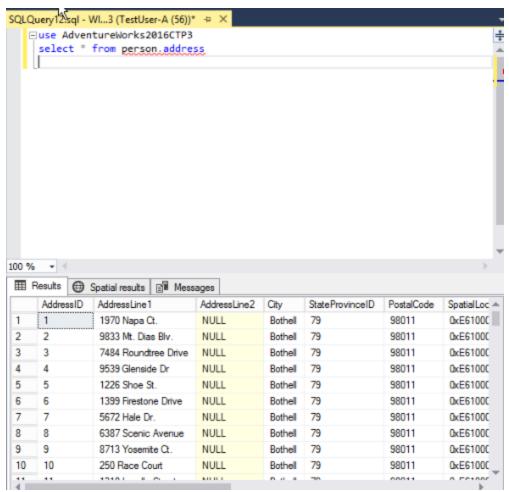


9) Does it work? Show the result in a screenshot. Describe your observation and explain why it works. Yes, it worked, because we just gave select permission to TestUser-A.



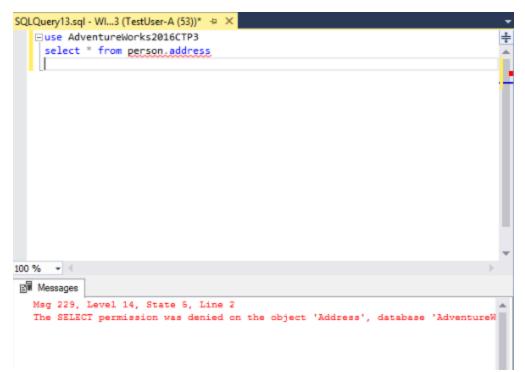
13) Run the previous query. Show the result in a screenshot. Describe your observation and explain why it fails

It does not work any longer because we removed the permission.



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

Yes, because we gave TestUser-A datareader permission, which allows that user to access tables.



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

It did not execute, because we just denied them permission to that table.