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SQL Server- Create Login, User, Role and Assign Permission.

In this article, we learn how to assign permission to a SQL Server.

- Data Control Language Command restricts the user from accessing data in a database.

- GRANT command is used to provide access or privileges on the database.

> *LOGIN:*

- In object explorer goto Security → Right click on Logins → Select New login.

- Enter Login name

- In SQL Server authentication enter the password.

- Then click on ok.

CREATE A LOGIN

If we refresh the Logins then we can view Login.
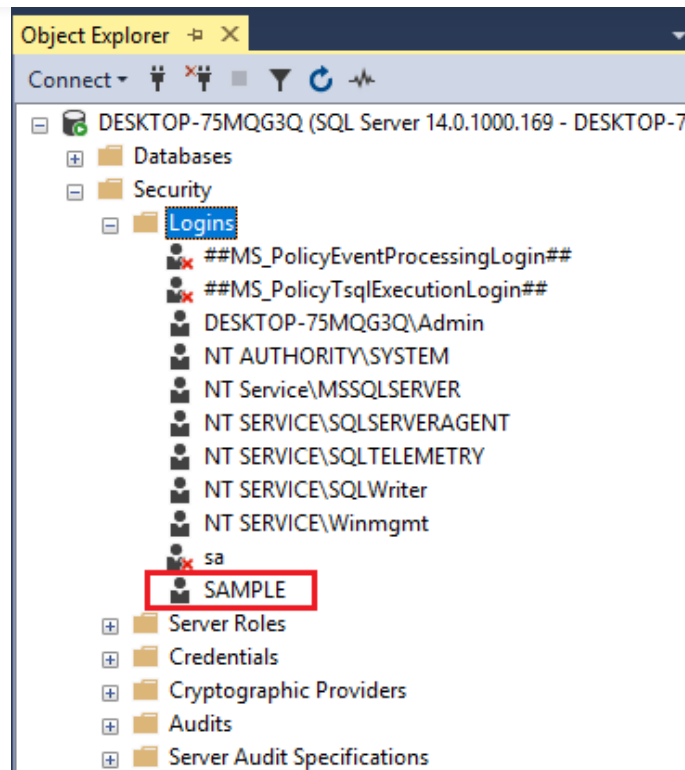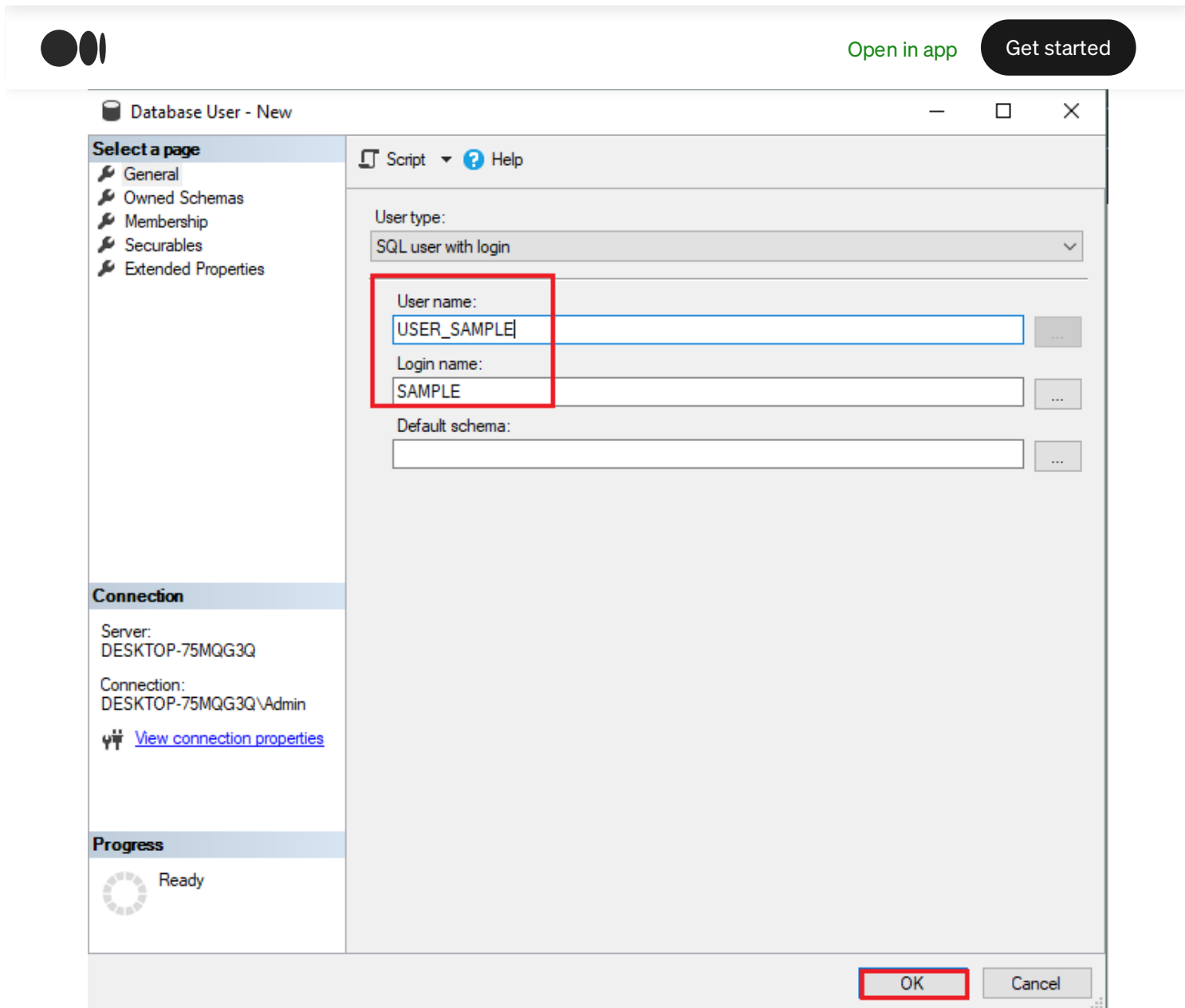
LOGIN

> *USER:*

- In object explorer expand databases.

- Expand the database which you need to create the user.

- Expand the security folder. Right-click on Users and select New User.

- In the new pop up window enter the User name and Login name after that click on ok.
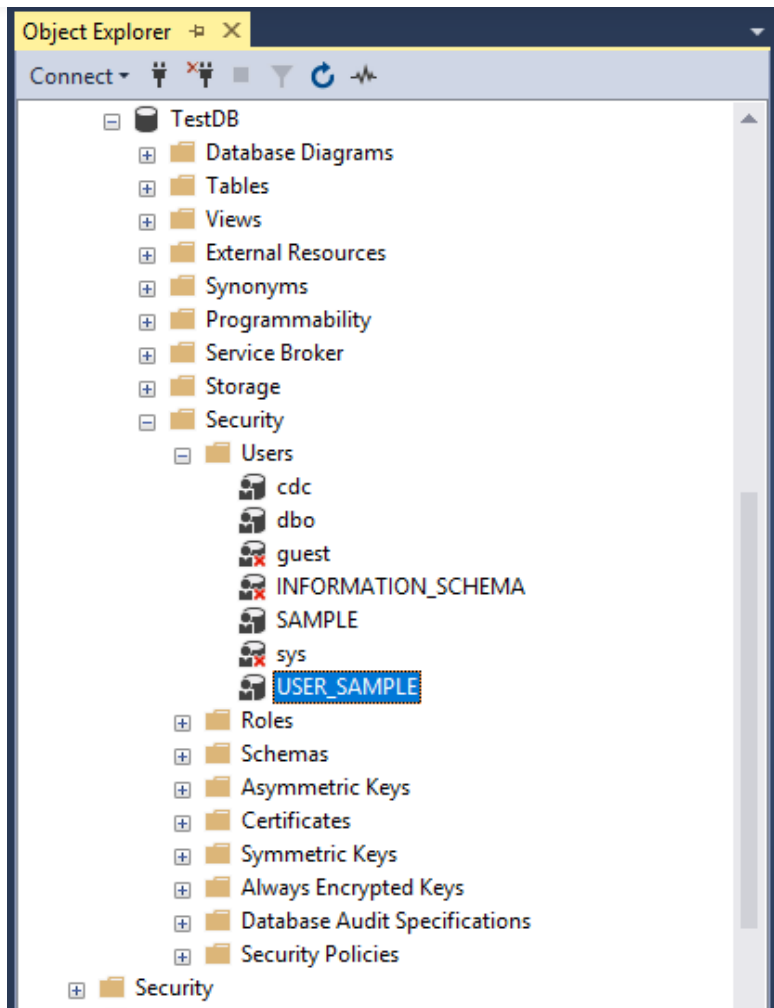
CREATE A USER

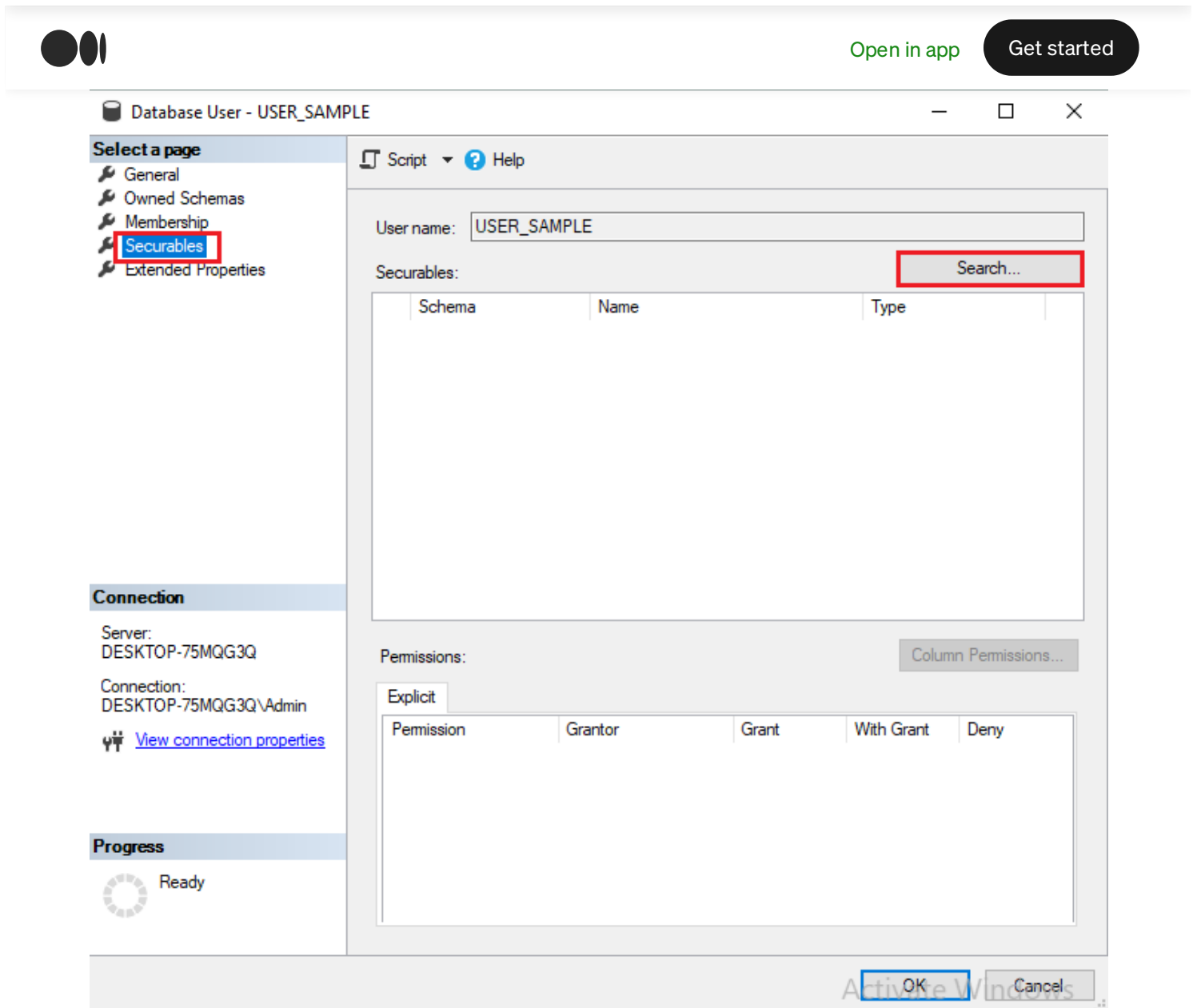We refresh the users and then it has shown the created users.

USER

> **ASSIGN PERMISSION:** *SQL Server allows to GRANT, REVOKE permissions.*

- For assigning permission goto USER_SAMPLE property.
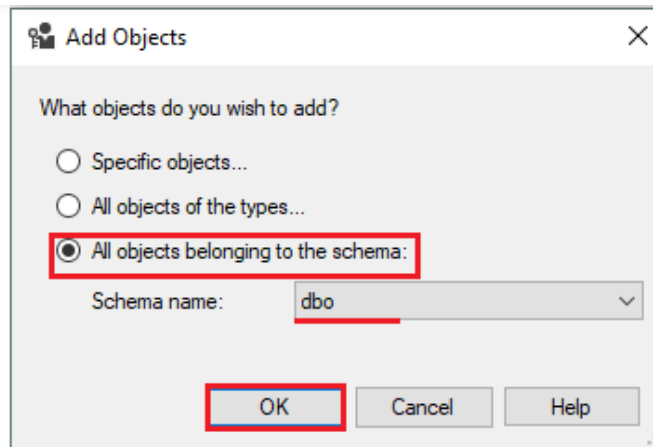
- Click on the search option.

SEARCH

- When we click on search new pop up window is open.

- Select All objects belonging to the schema

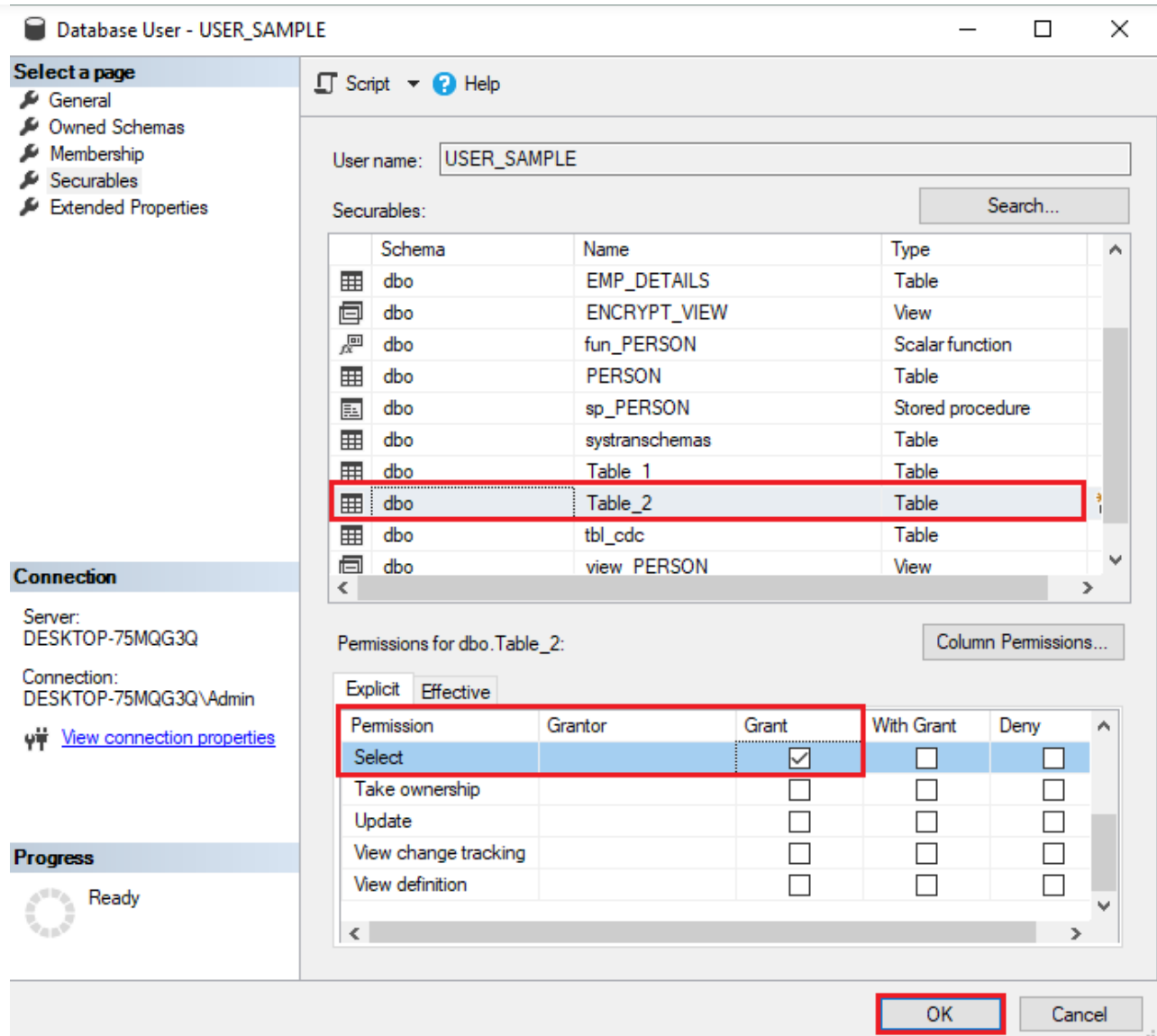- The select schema names as "dbo" and then click on ok.

ADD OBJECT

- We select the table to grant permission.

- In the Explicit permission select Grant.
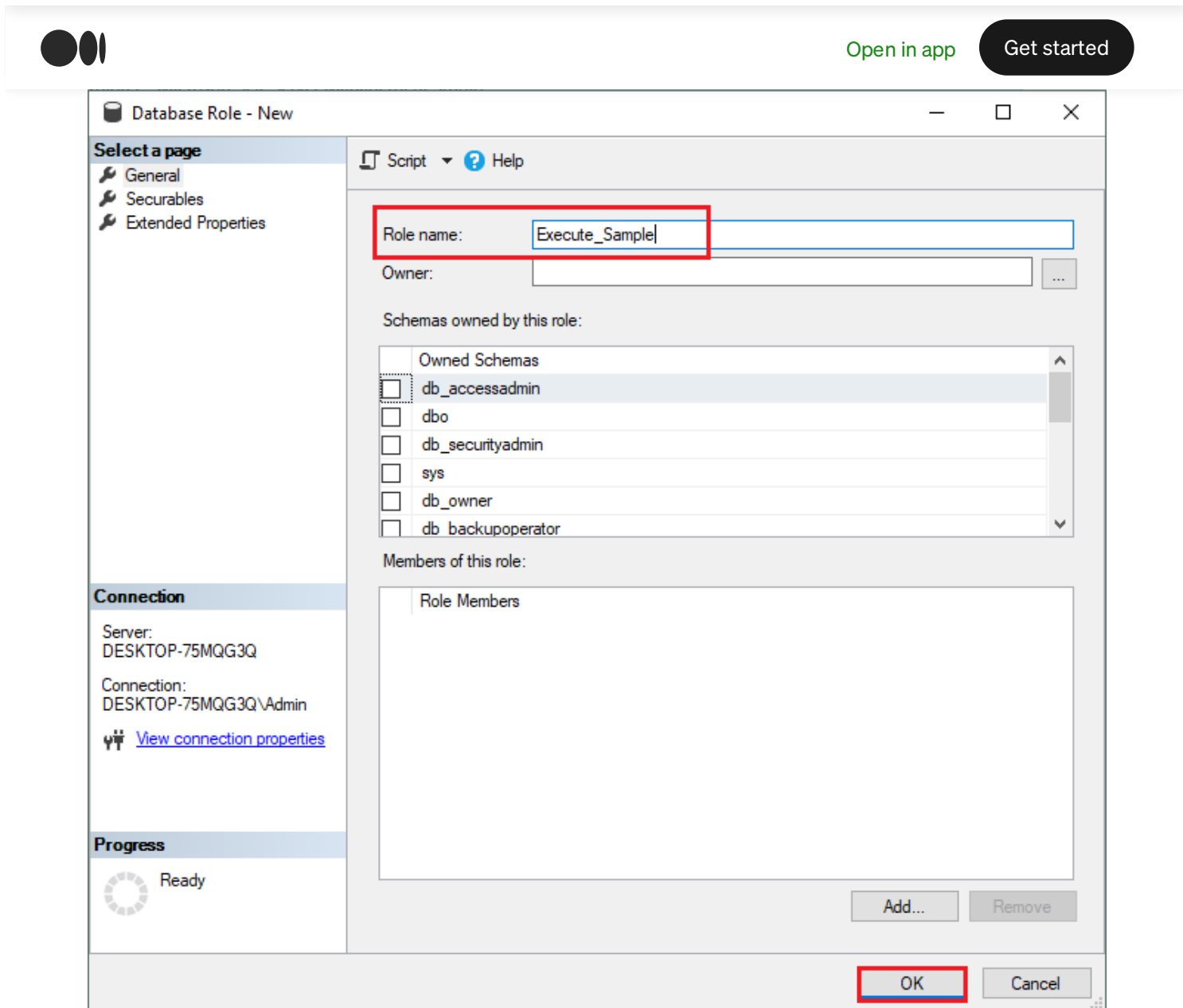
- Then click on ok.

GRANT PERMISSION

- The USER_SAMPLE is granted SELECT permission on the table Table_2.

ROLE:

- In the object explorer expand the databases and security folder.

- Expand Roles and right-click on Database Role.

- Click on New database role. Then a new pop up window is open.

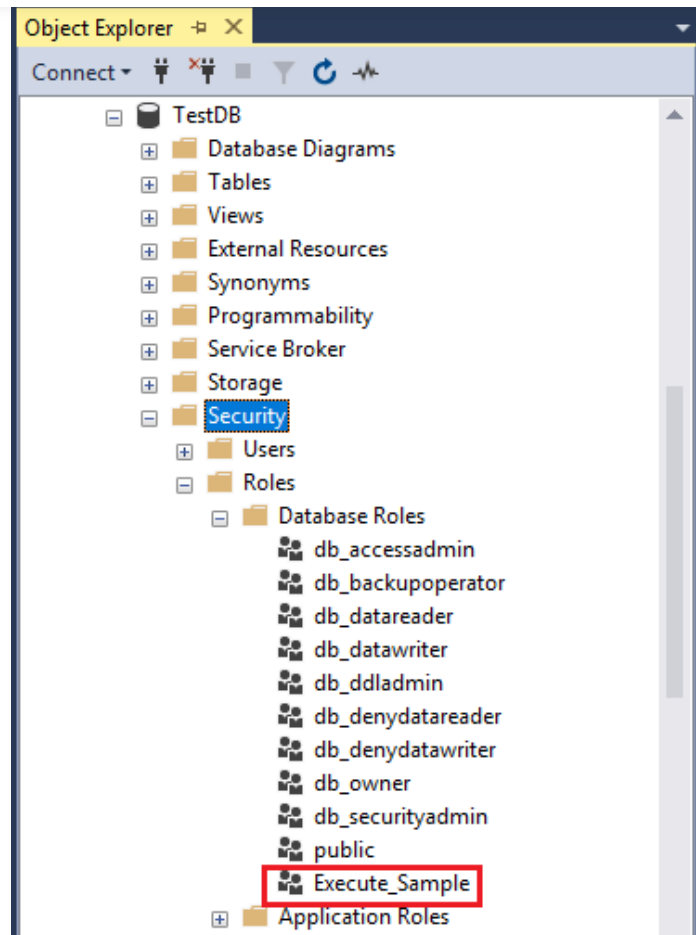- In the General tab enter the role name and click on ok.

CREATE A ROLE

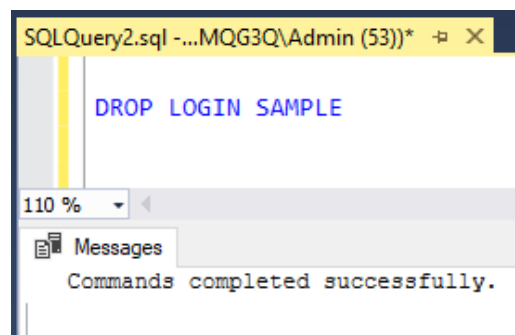Refresh the roles. In below screenshot shows the role.

ROLE

DROP LOGIN :

- Here we drop the sample login.

- Syntax: DROP LOGIN LOGIN_NAME

DROP LOGIN

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