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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.



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Login - New

Select a page

General

Server Roles

User Mapping

Securables

Status

Connection

Server:
DESKTOP-75MQG3Q

Connection:
DESKTOP-75MQG3Q\Admin

[View connection properties](#)

Progress

Ready

Script

Help

Login name:

SAMPLE

Search...

Windows authentication

SQL Server authentication

Password:

.....

Confirm password:

.....

Specify old password

Old password:

Enforce password policy

Enforce password expiration

User must change password at next login

Mapped to certificate

Mapped to asymmetric key

Map to Credential

Credential

Provider

Add

Remove

Default database:

master

Default language:

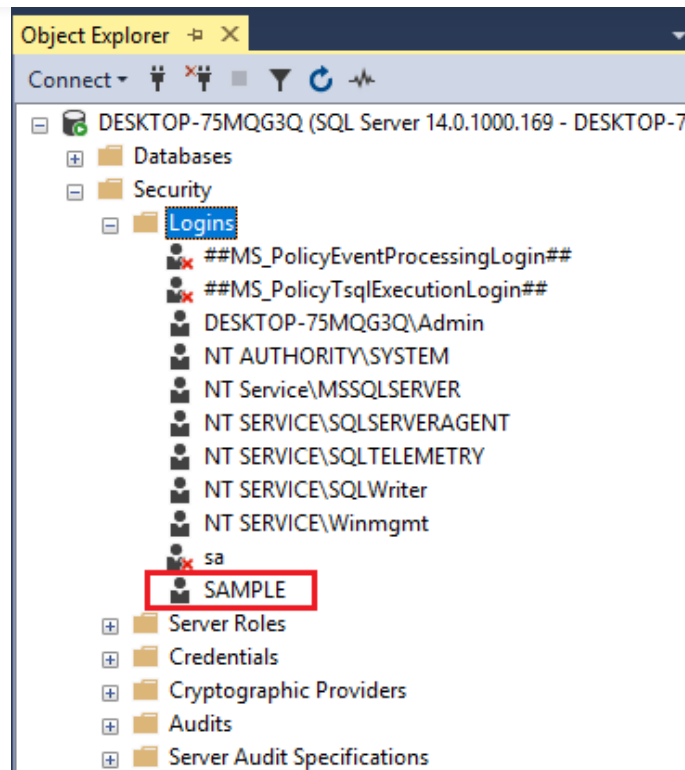
<default>

OK

Cancel

CREATE A LOGIN

If we refresh the Logins then we can view Login.

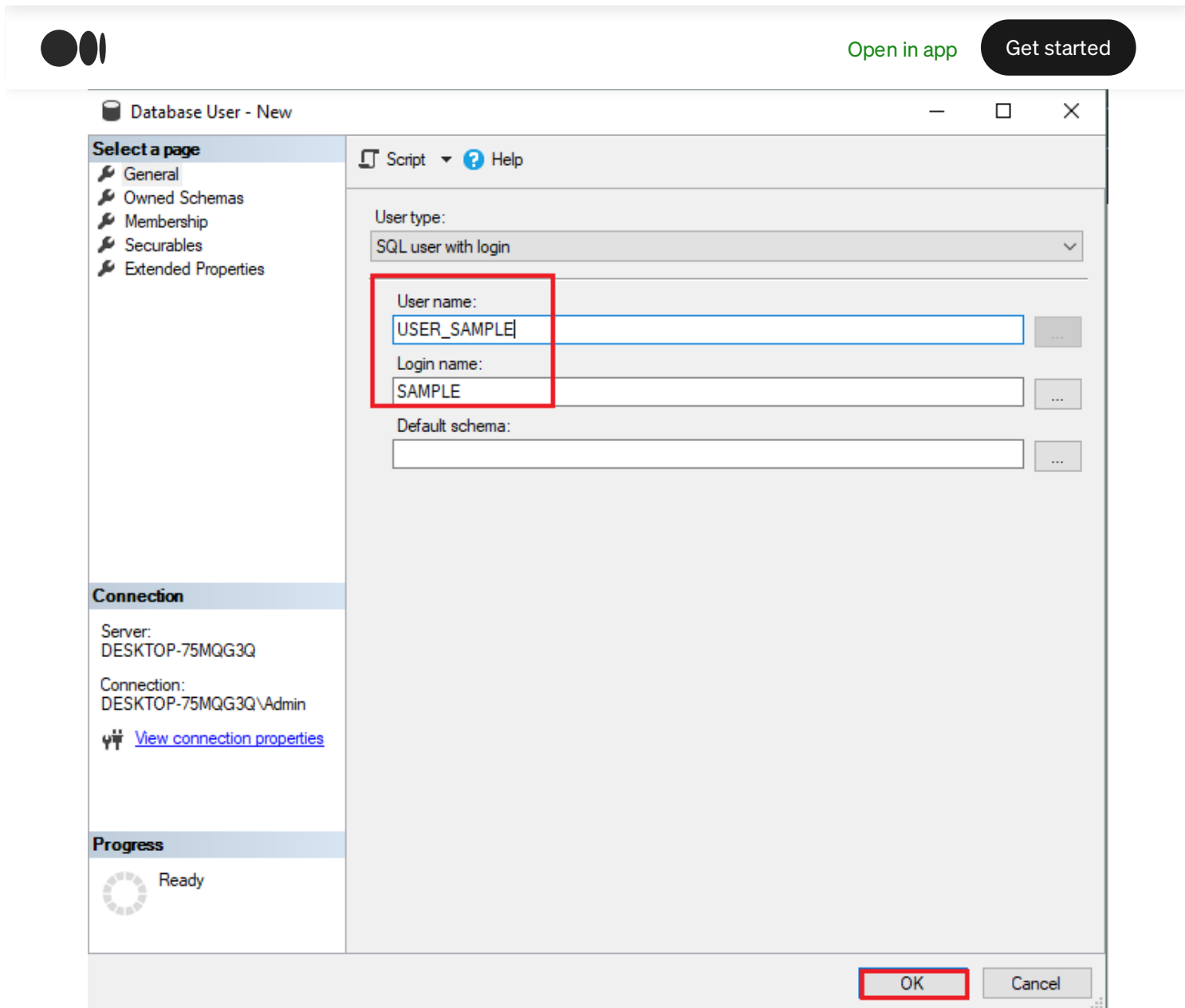
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LOGIN

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

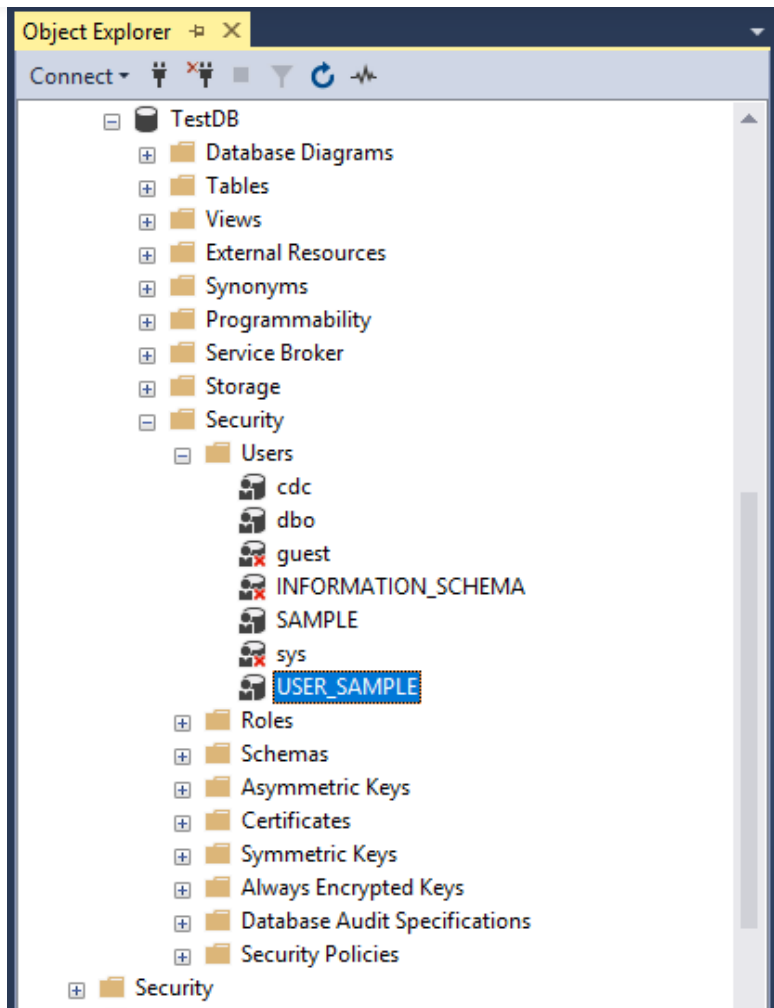
We refresh the users and then it has shown the created users.





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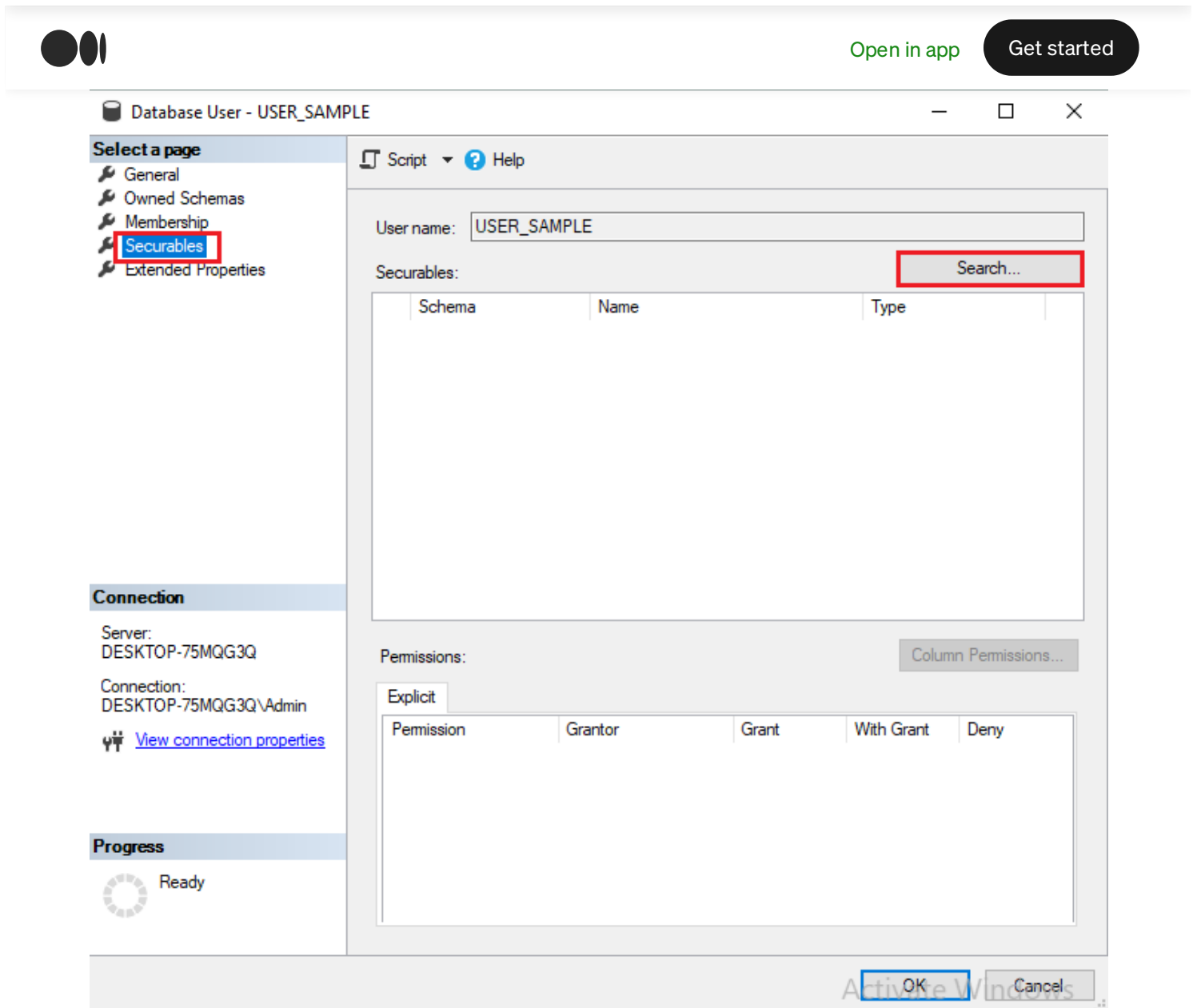


USER

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

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





SEARCH

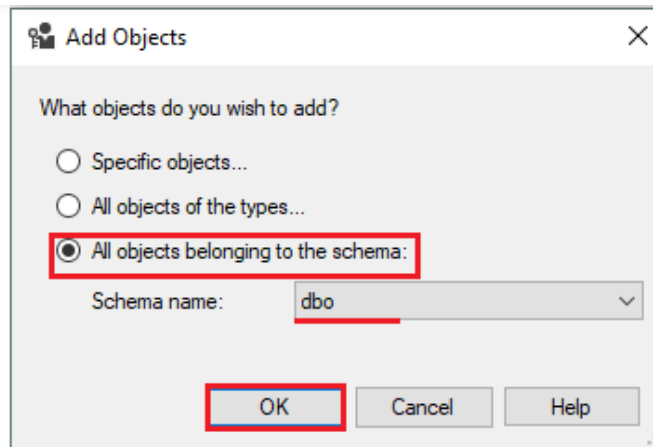
- When we click on search new pop up window is open.
- Select All objects belonging to the schema
- The select schema names as “dbo” and then click on ok.





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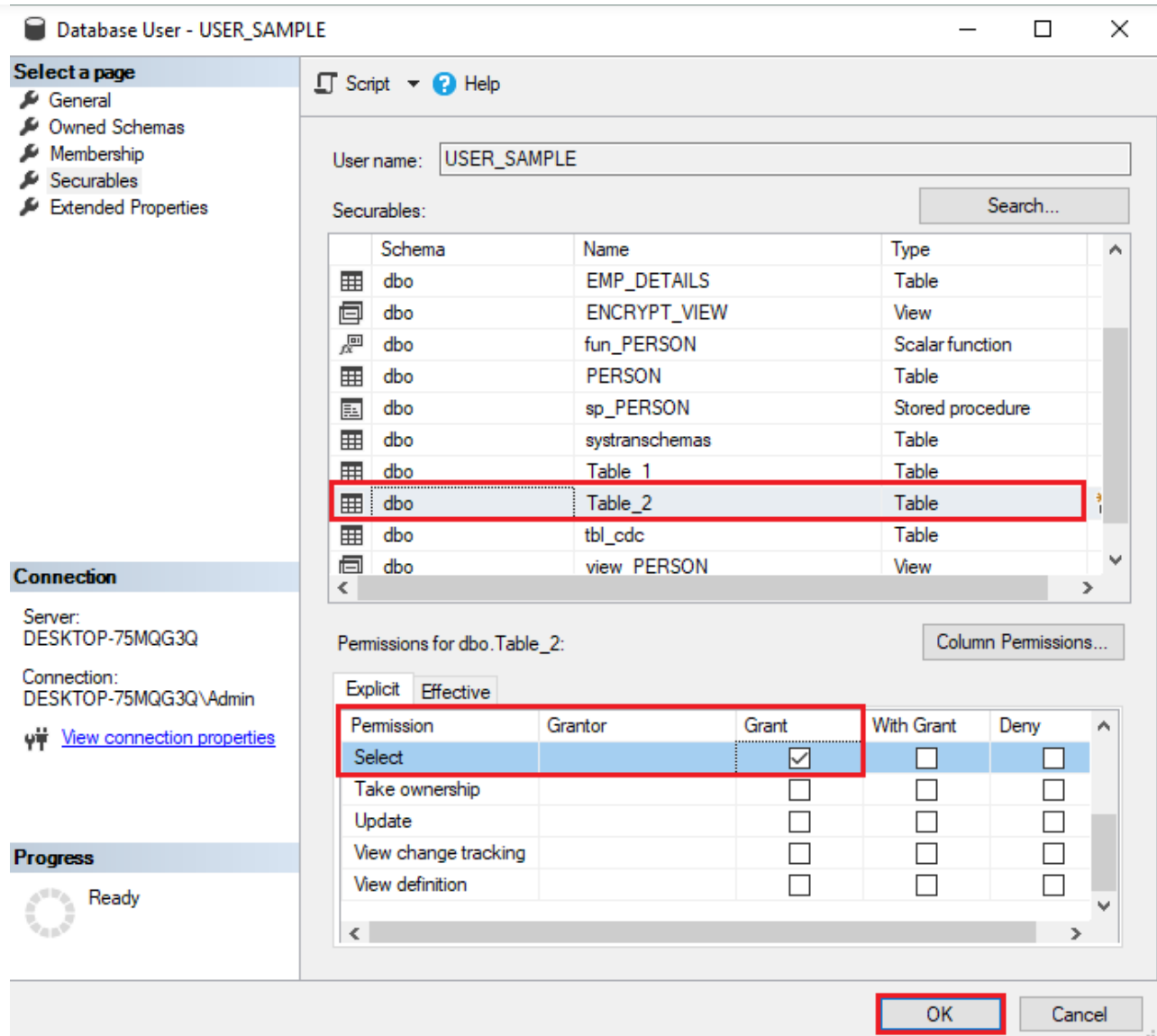
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ADD OBJECT

- We select the table to grant permission.
- In the Explicit permission select Grant.
- Then click on ok.



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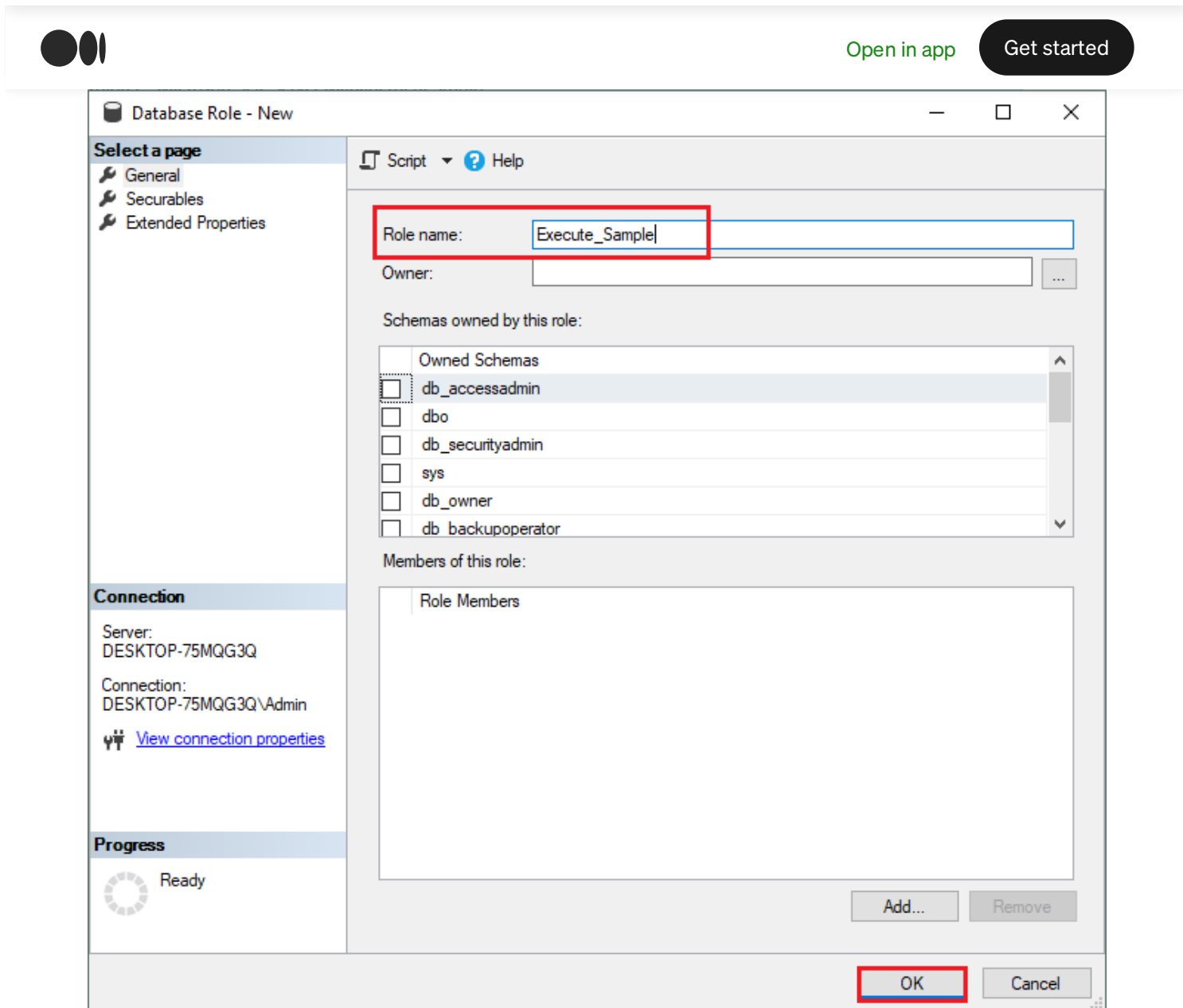
GRANT PERMISSION

- 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.

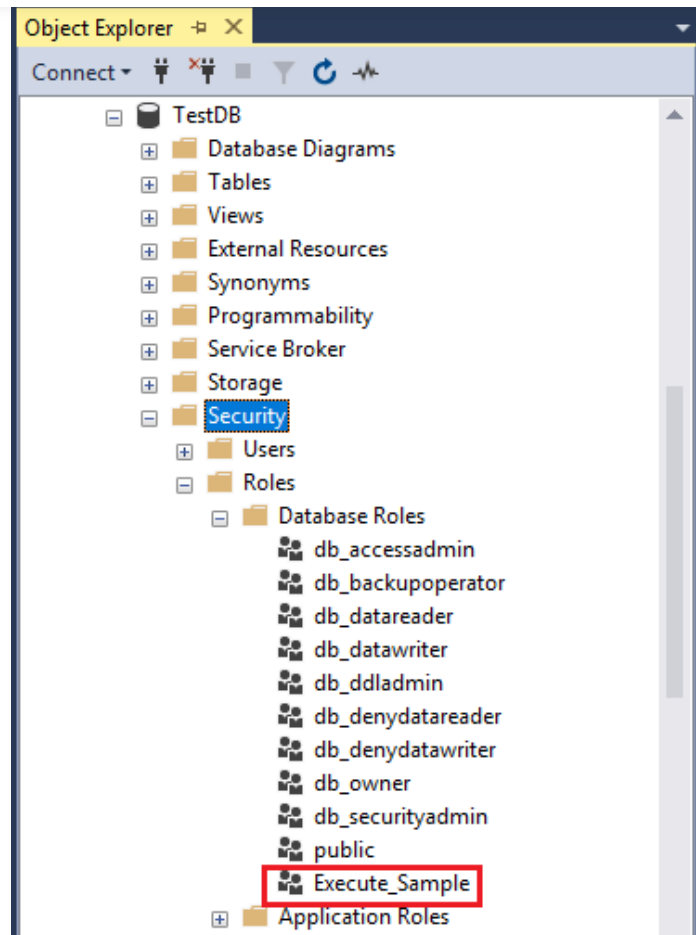




CREATE A ROLE

Refresh the roles. In below screenshot shows the role.

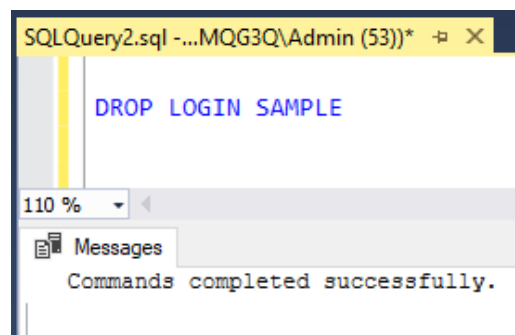


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ROLE

DROP LOGIN :

- Here we drop the sample login.
- Syntax: DROP LOGIN LOGIN_NAME



DROP LOGIN





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