

# **BẢO MẬT CƠ SỞ DỮ LIỆU**

**Lab02 – Phân quyền các đối tượng truy cập CSDL**

Sinh viên:

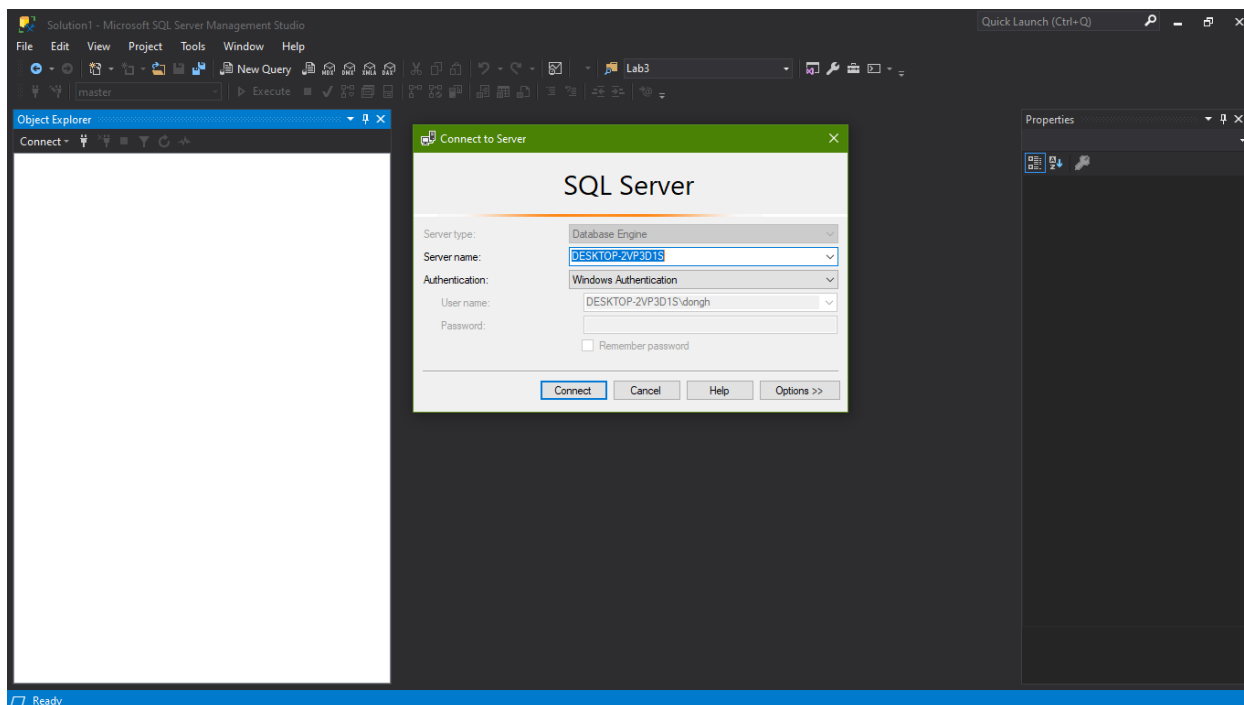
**Đỗ Trọng Nghĩa - 18120477**



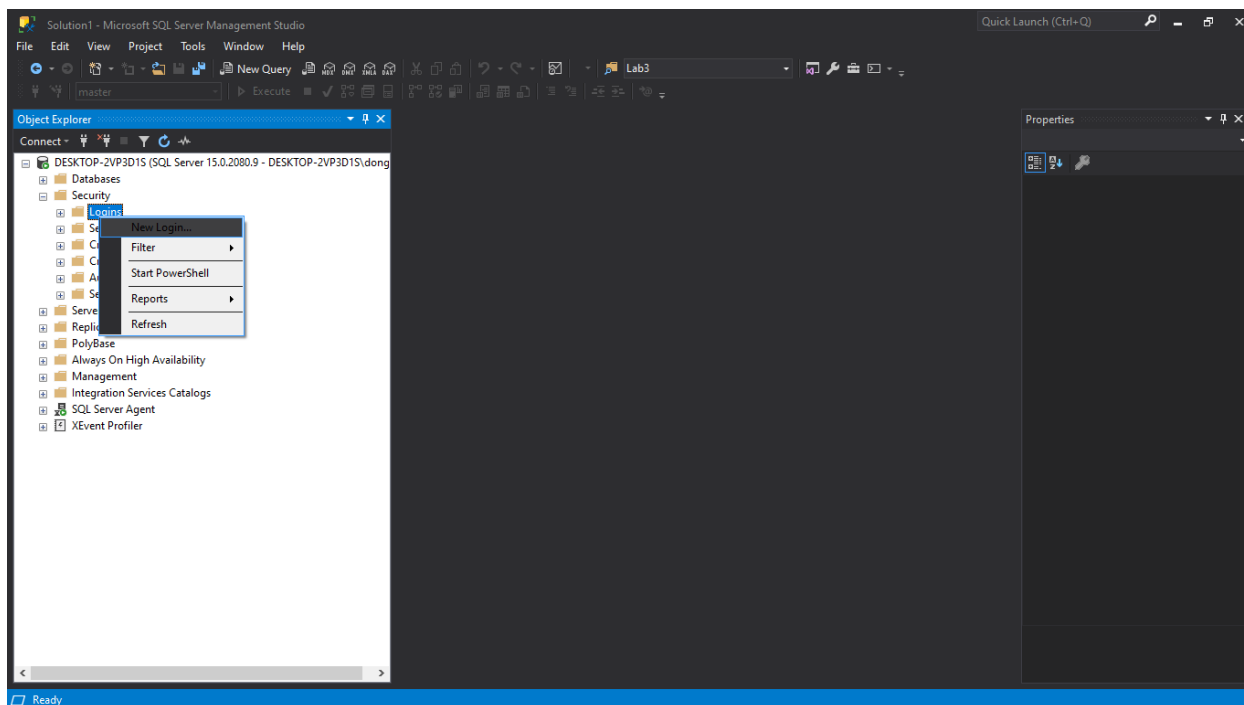
Khoa Công nghệ Thông tin  
Đại học Khoa học Tự nhiên TP HCM

# I. Tạo user phân quyền cho các đối tượng

Trước hết, cần Login bằng tài khoản Windows Authentications hoặc SQL Server Authentication (nhưng phải có toàn quyền như Windows Authentication)



Vào **Security** => **Logins** => **New users** để bắt đầu thêm các user mới

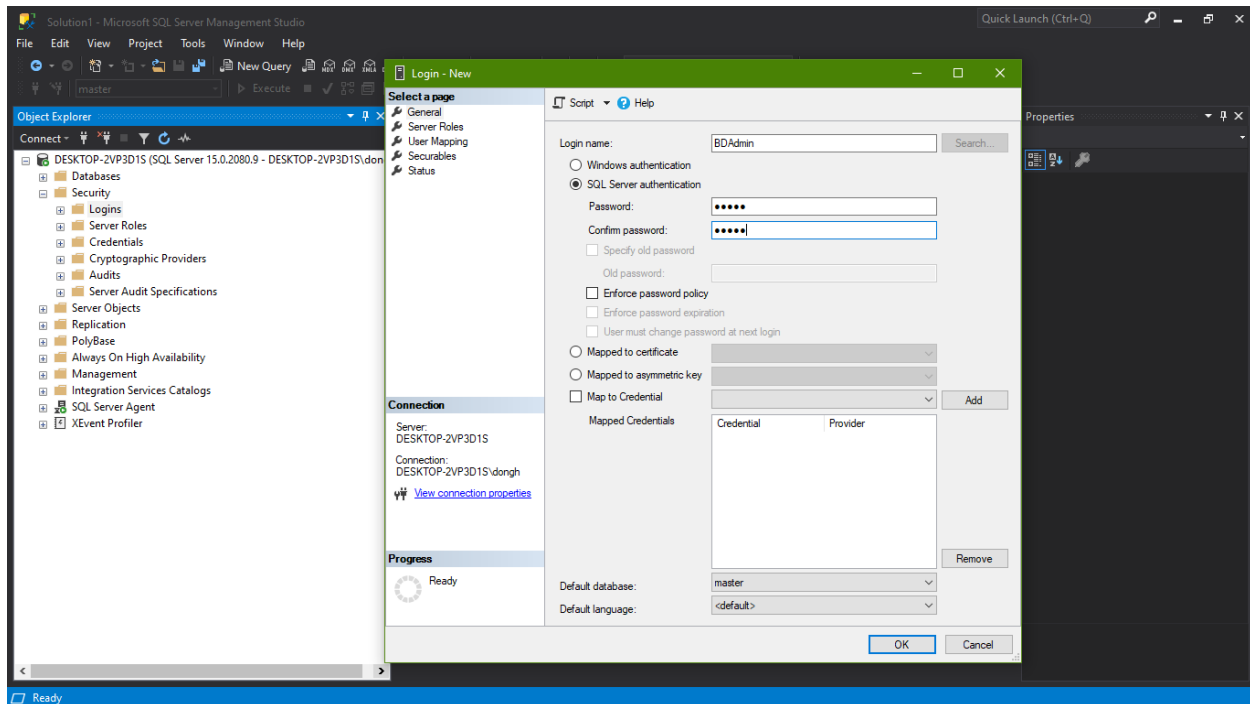


# Chi tiết từng user

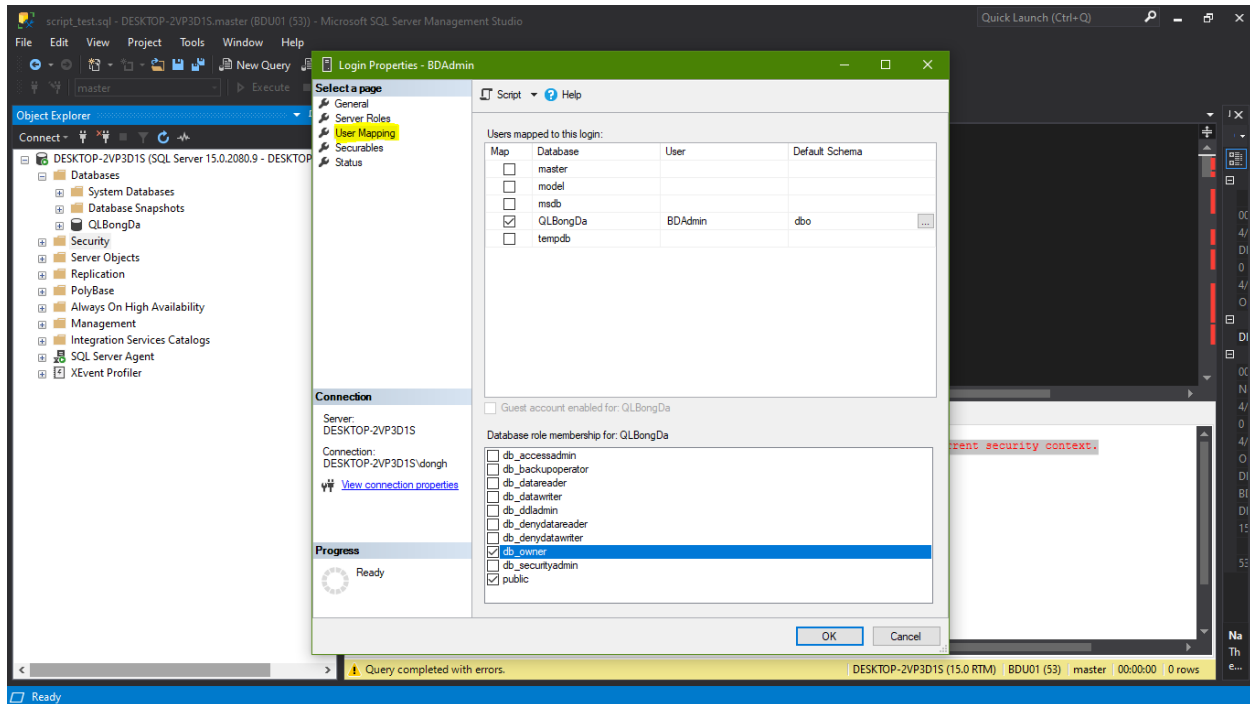
## A. BDAAdmin

### 1. Cài đặt

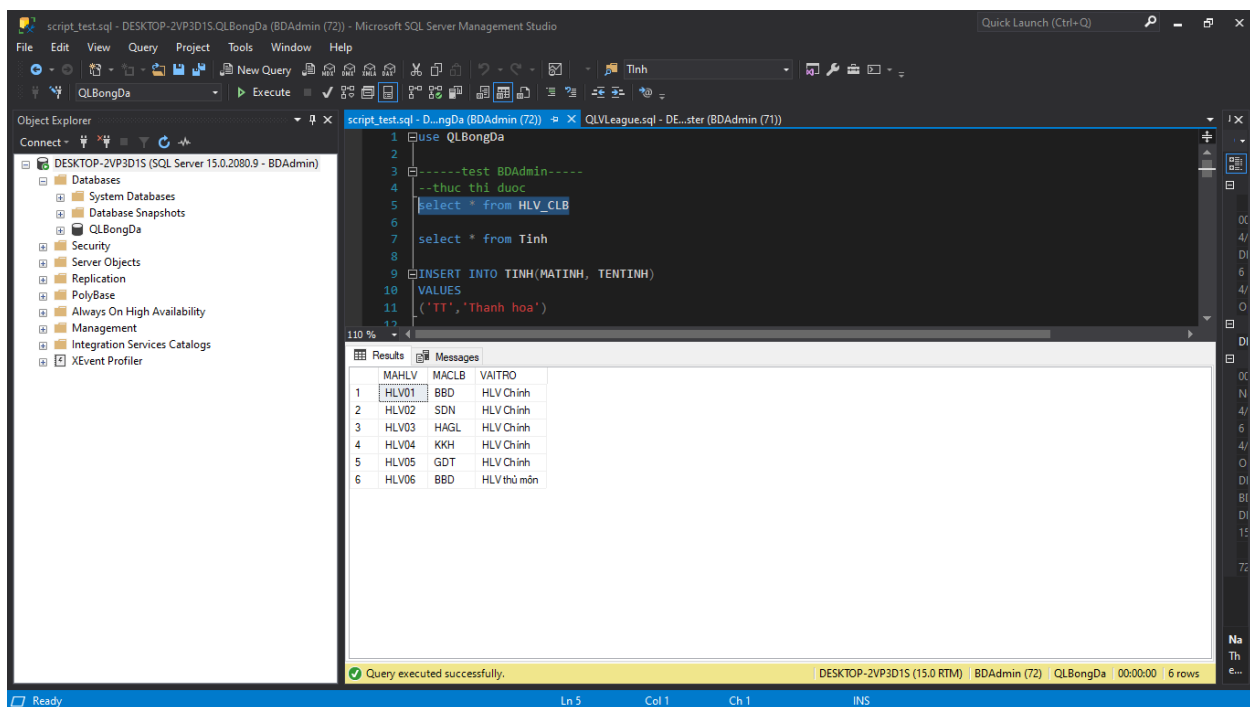
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**

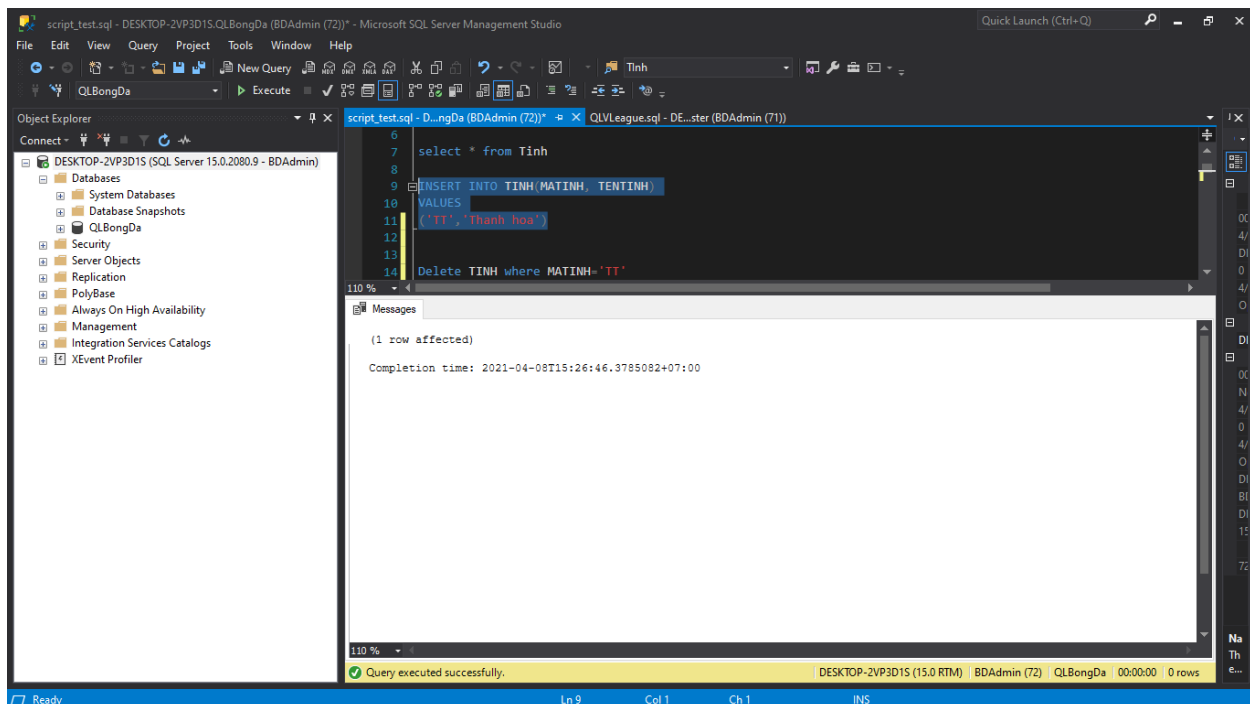
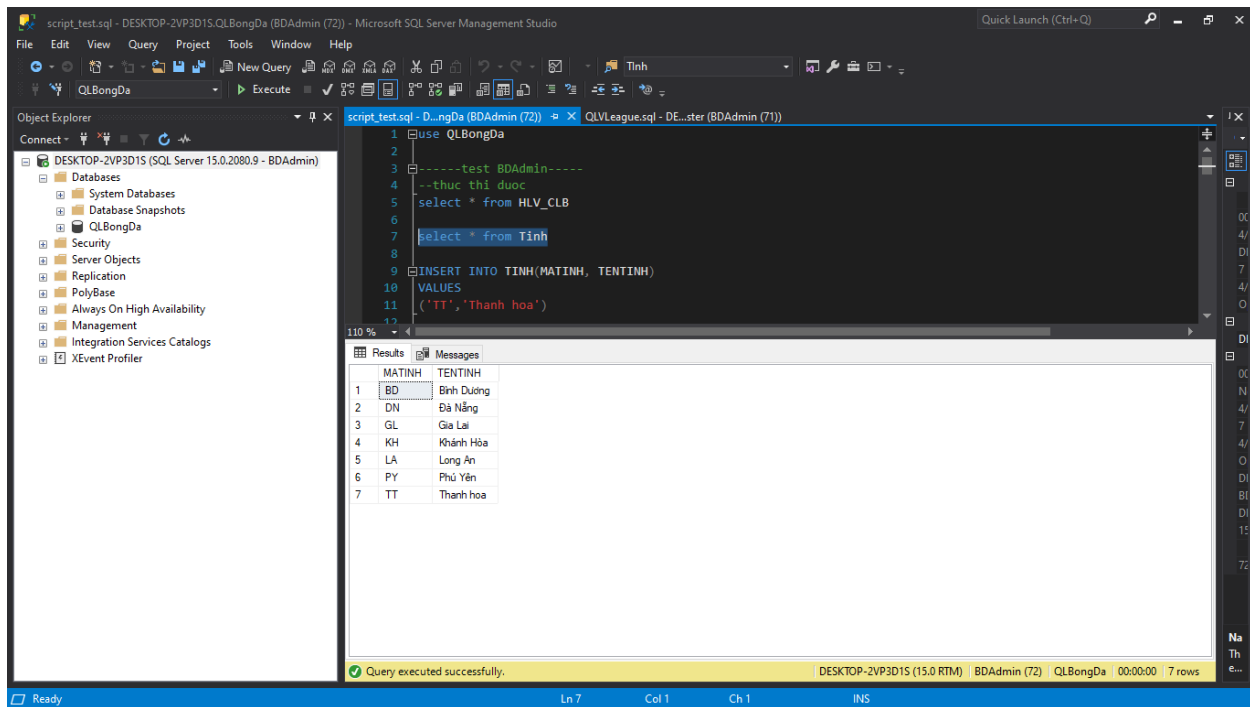


Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database QL BongDa với role **db\_owner** và **public**



## 2. Kiểm tra

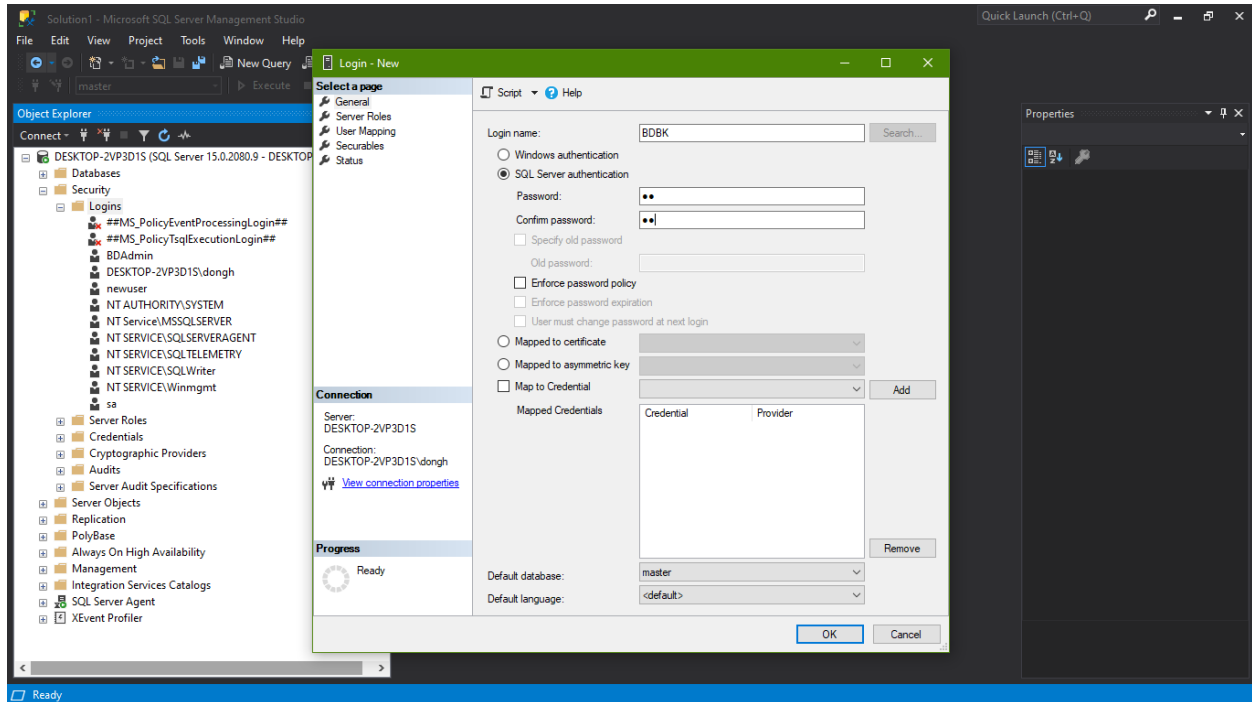




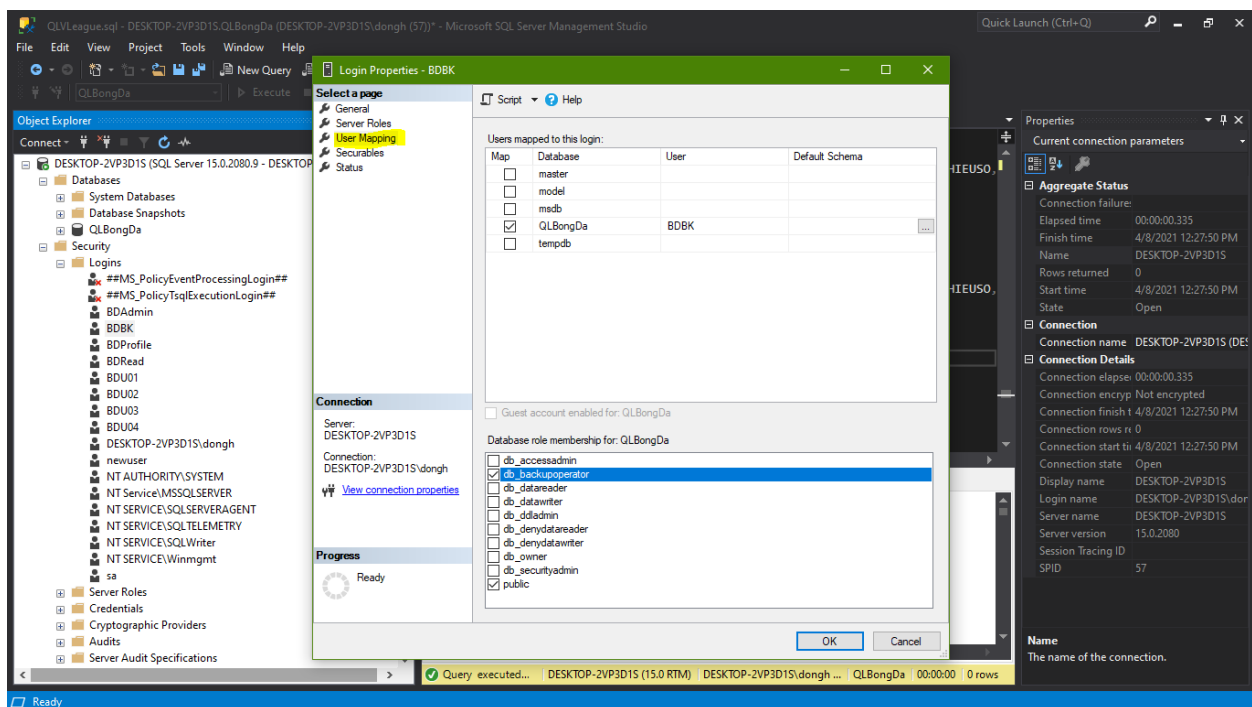
## B. BDBK

### 1. Cài đặt

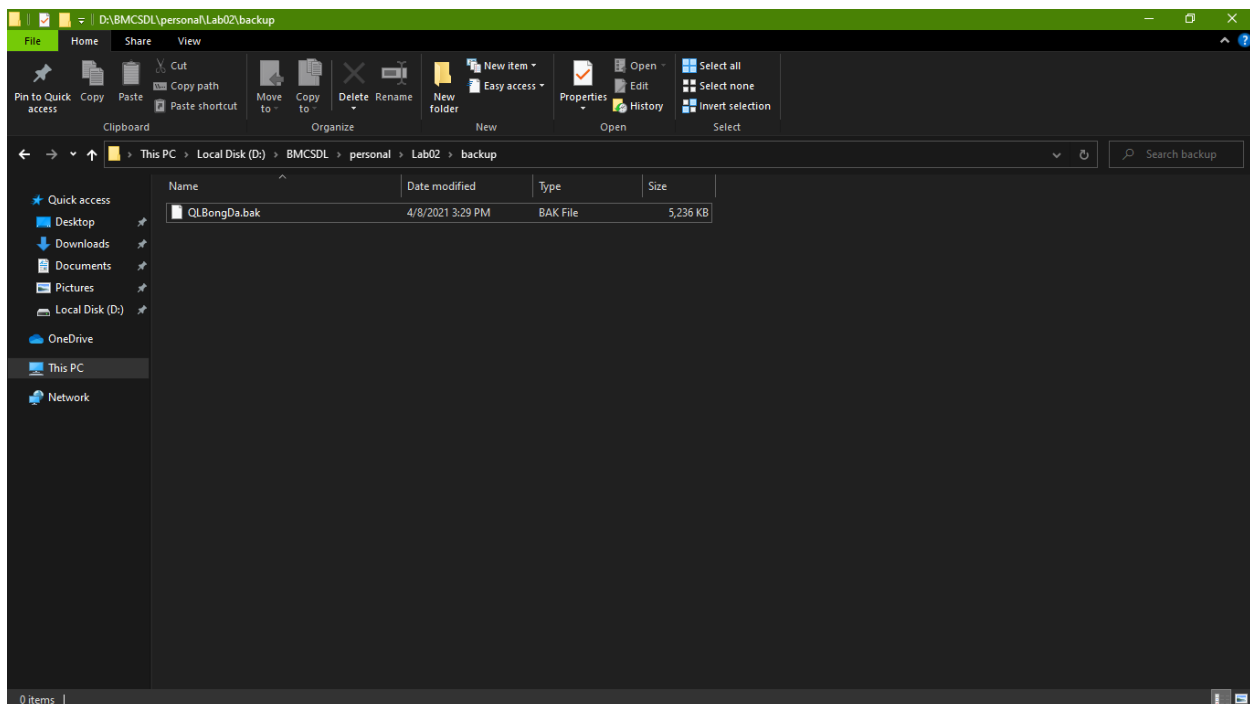
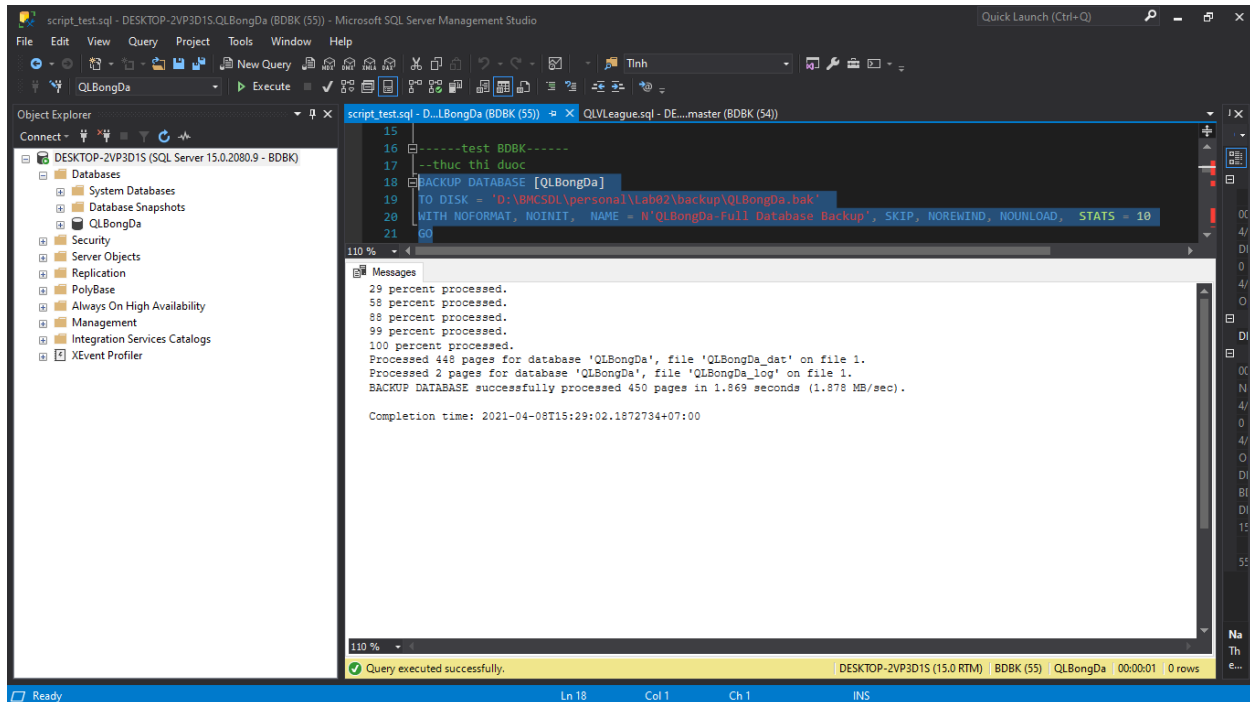
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**



Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **db\_backupoperator** và **public**



## 2. Kiểm tra

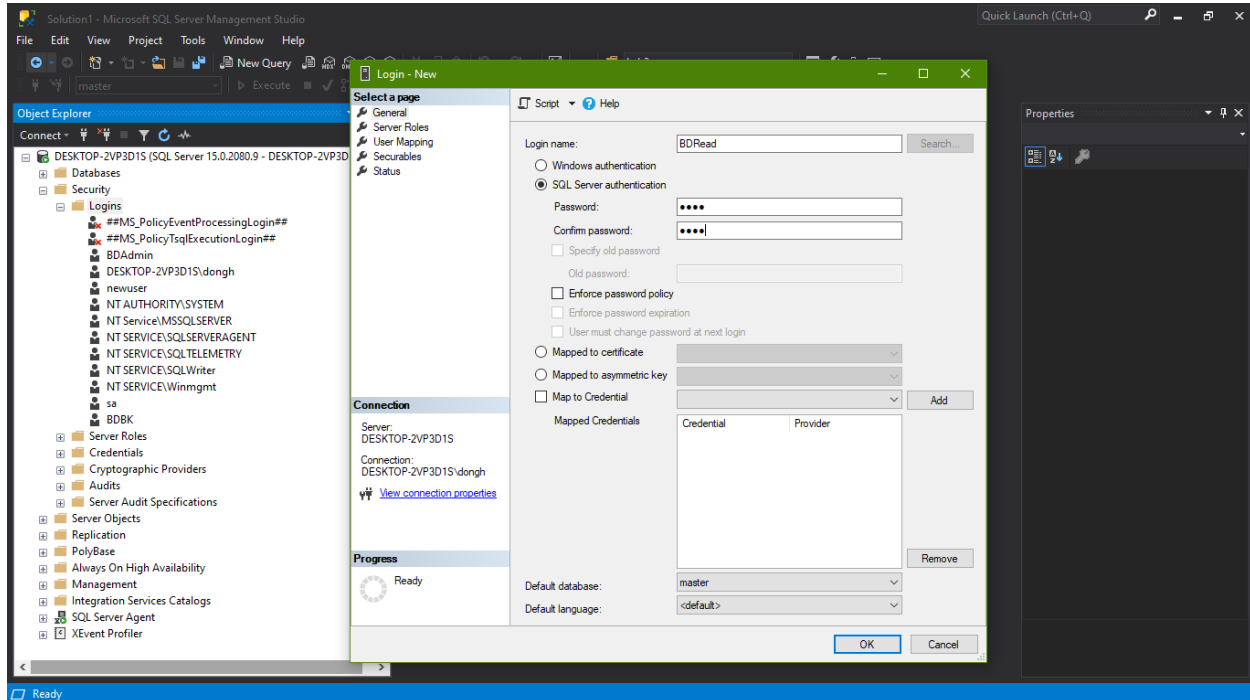




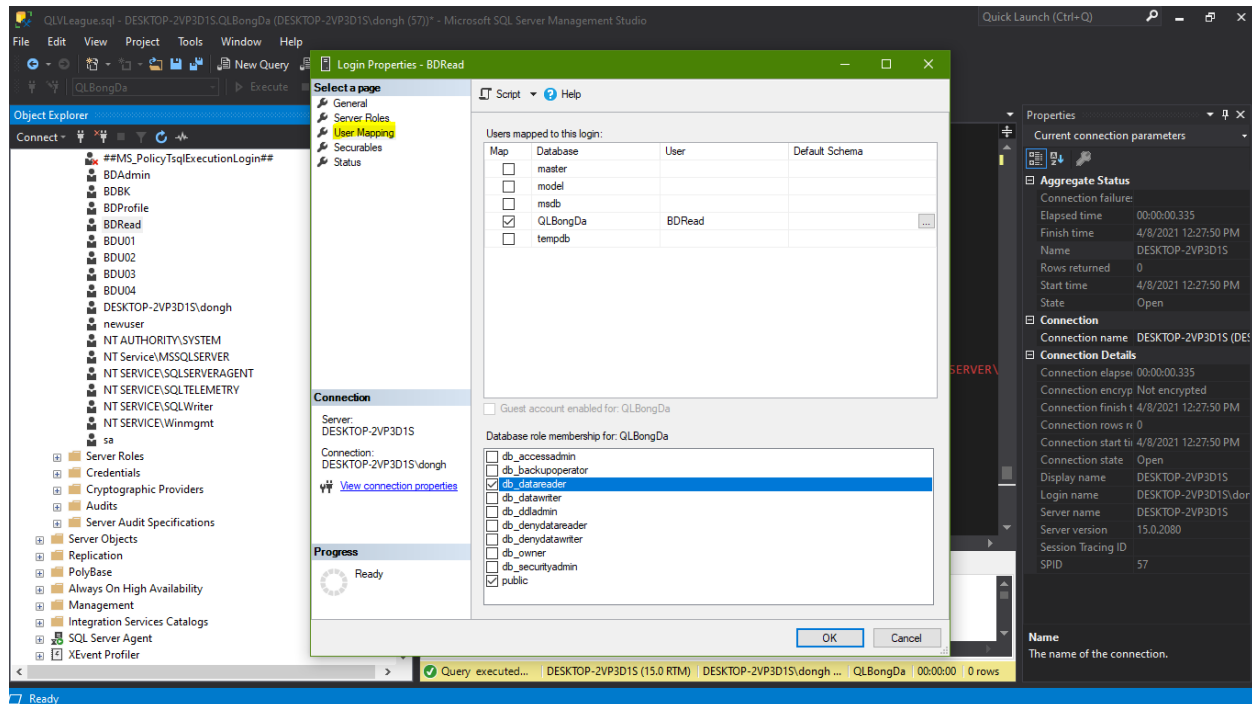
## C. BDBRead

### 1. Cài đặt

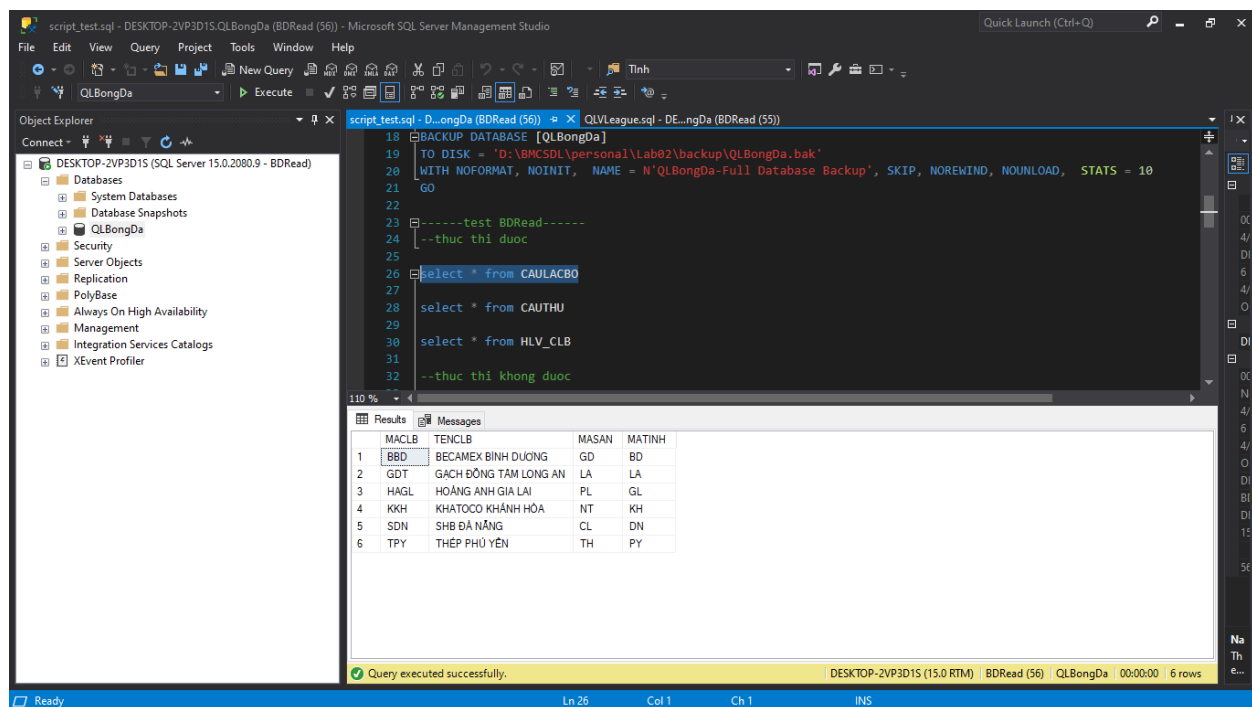
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**



Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **db\_datareader** và **public**



## 2. Kiểm tra



script\_test.sql - DESKTOP-2VP3D1S.QLBongDa (BDRRead (56)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to DESKTOP-2VP3D1S (SQL Server 15.0.2080.9 - BDRRead)

Query Editor: script\_test.sql - D...ongDa (BDRRead (56))

```

18 BACKUP DATABASE [QLBongDa]
19 TO DISK = 'D:\BMCSDL\personal\Lab02\backup\QLBongDa.bak'
20 WITH NOFORMAT, NOINIT, NAME = N'QLBongDa-Full Database Backup', SKIP, NOREWIND, NOUNLOAD, STATS = 10
21 GO
22
23 -----test BDRRead-----
24 --thuc thi duoc
25
26 select * from CAULACBO
27
28 select * from CAUTHU
29
30 select * from HLV_CLB
31
32 --thuc thi khong duoc

```

Results: 110 %

MACT	HOTEN	VITRI	NGAYSINH	DIACHI	MACLB	MAOG	SO
1	Nguyễn Vũ Phong	Tiền vệ	1990-02-20 00:00:00.000	NULL	BBD	VN	17
2	Nguyễn Công Vinh	Tiền đạo	1992-03-10 00:00:00.000	NULL	HAGL	VN	9
3	Trần Tân Tài	Tiền vệ	1989-11-12 00:00:00.000	NULL	BBD	VN	8
4	Phan Hồng Sơn	Thủ môn	1991-06-10 00:00:00.000	NULL	HAGL	VN	1
5	Ronaldo	Tiền vệ	1989-12-12 00:00:00.000	NULL	SDN	BRA	7
6	Robinho	Tiền vệ	1989-10-12 00:00:00.000	NULL	SDN	BRA	8
7	Vidic	Hậu vệ	1987-10-15 00:00:00.000	NULL	HAGL	ANH	3
8	Trần Văn Santos	Thủ môn	1990-10-21 00:00:00.000	NULL	BBD	BRA	1
9	Nguyễn Trường Sơn	Hậu vệ	1993-08-26 00:00:00.000	NULL	BBD	VN	4

Query executed successfully. DESKTOP-2VP3D1S (15.0 RTM) BDRRead (56) QLBongDa 00:00:00 9 rows

script\_test.sql - DESKTOP-2VP3D1S.QLBongDa (BDRRead (56)) - Microsoft SQL Server Management Studio

Object Explorer: Connect to DESKTOP-2VP3D1S (SQL Server 15.0.2080.9 - BDRRead)

Query Editor: script\_test.sql - D...ongDa (BDRRead (56))

```

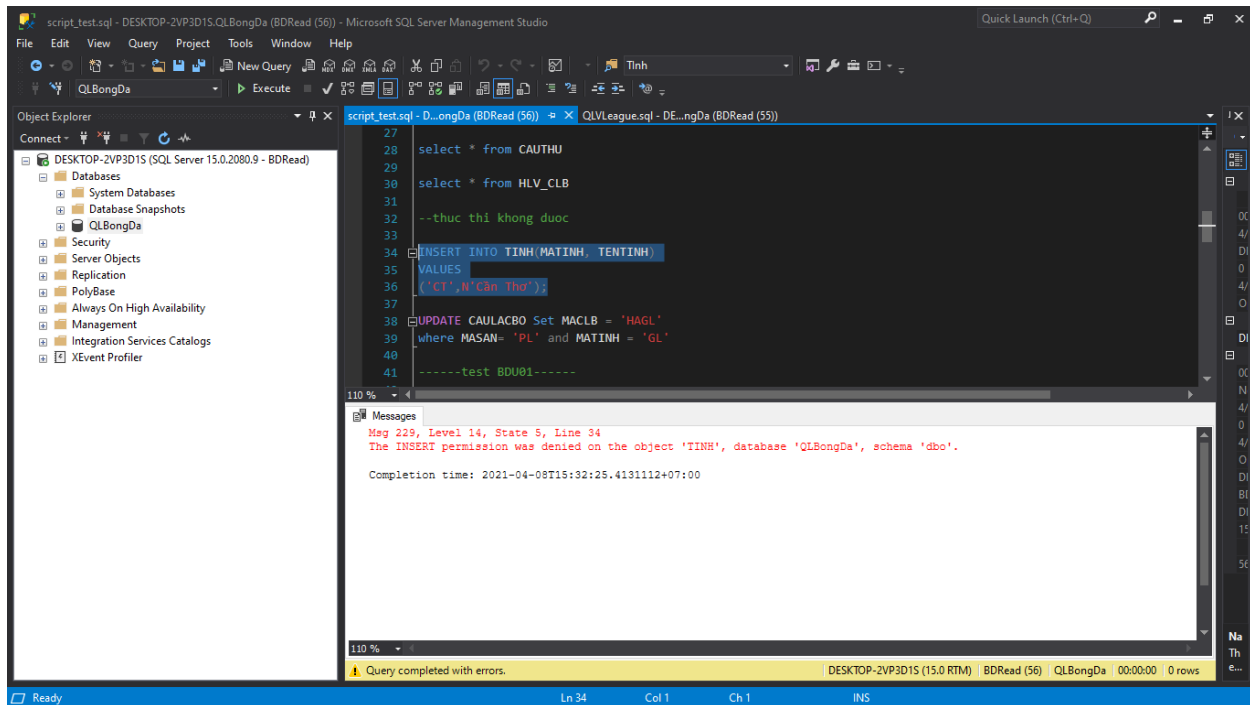
18 BACKUP DATABASE [QLBongDa]
19 TO DISK = 'D:\BMCSDL\personal\Lab02\backup\QLBongDa.bak'
20 WITH NOFORMAT, NOINIT, NAME = N'QLBongDa-Full Database Backup', SKIP, NOREWIND, NOUNLOAD, STATS = 10
21 GO
22
23 -----test BDRRead-----
24 --thuc thi duoc
25
26 select * from CAULACBO
27
28 select * from CAUTHU
29
30 select * from HLV_CLB
31
32 --thuc thi khong duoc

```

Results: 110 %

MAHLV	MACLB	VAITRO
1	HLV01	BBD HLV Chính
2	HLV02	SDN HLV Chính
3	HLV03	HAGL HLV Chính
4	HLV04	KKH HLV Chính
5	HLV05	GDT HLV Chính
6	HLV06	BBD HLV thủ môn

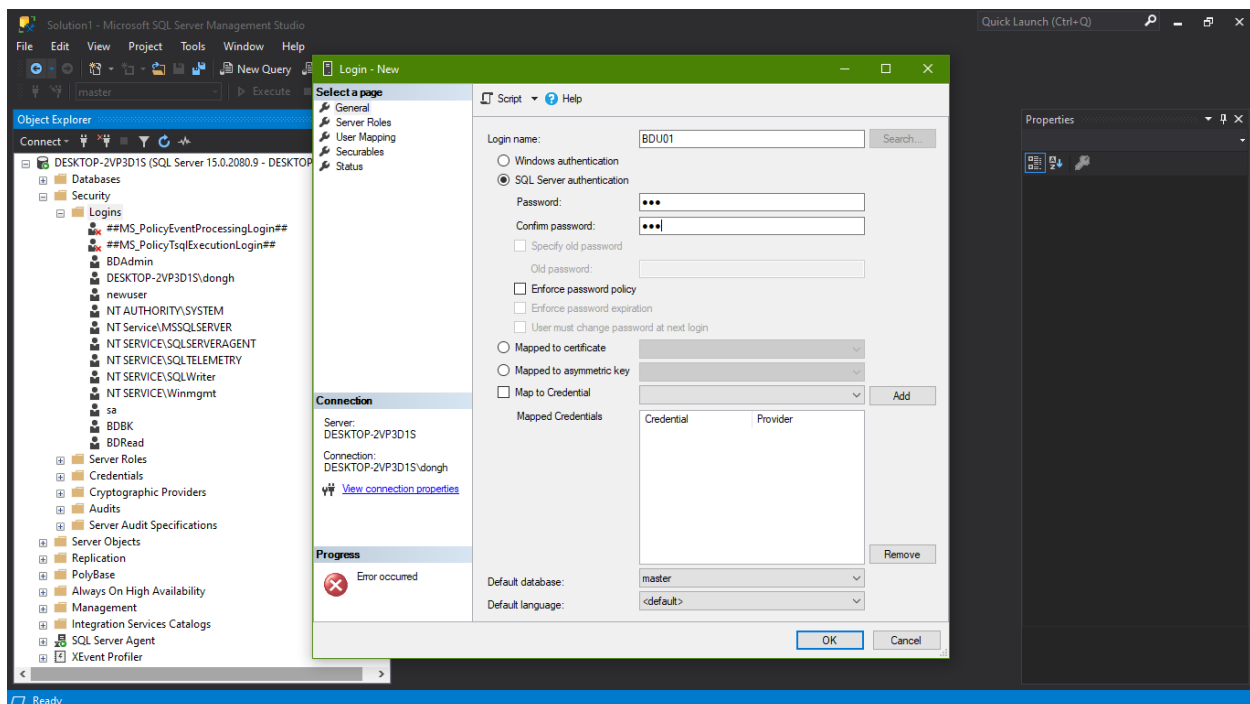
Query executed successfully. DESKTOP-2VP3D1S (15.0 RTM) BDRRead (56) QLBongDa 00:00:00 6 rows



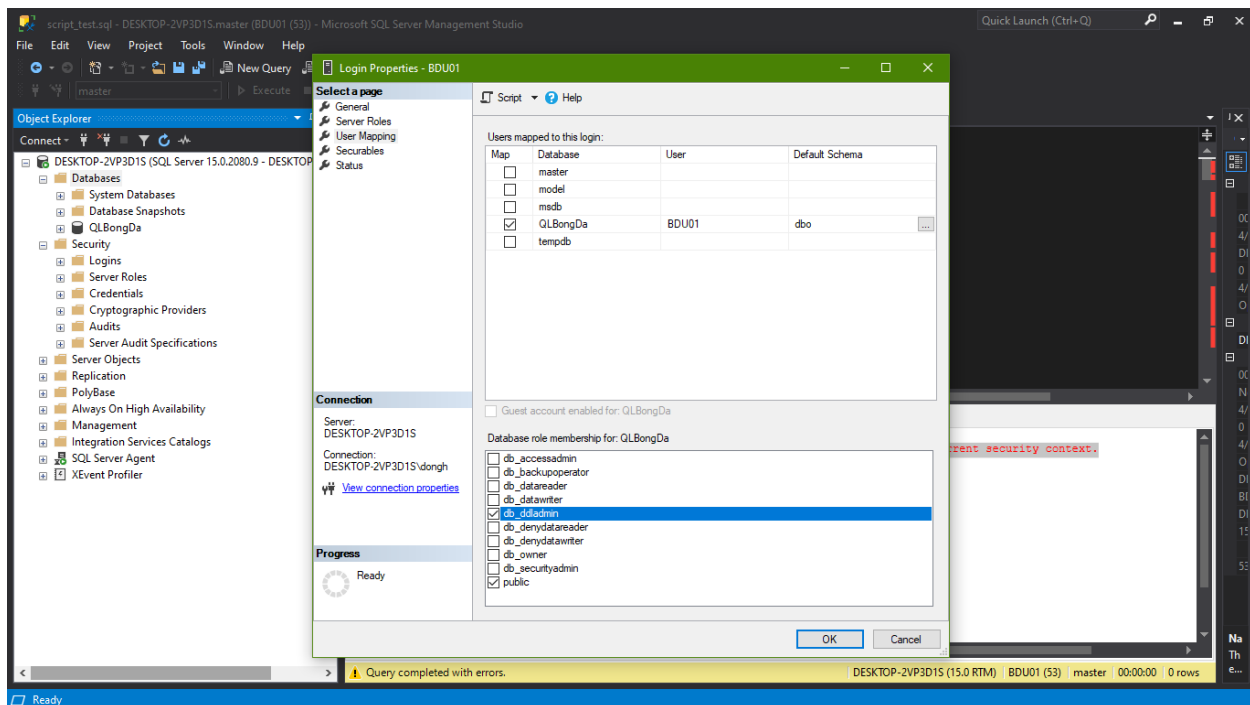
## D. BDU01

### 1. Cài đặt

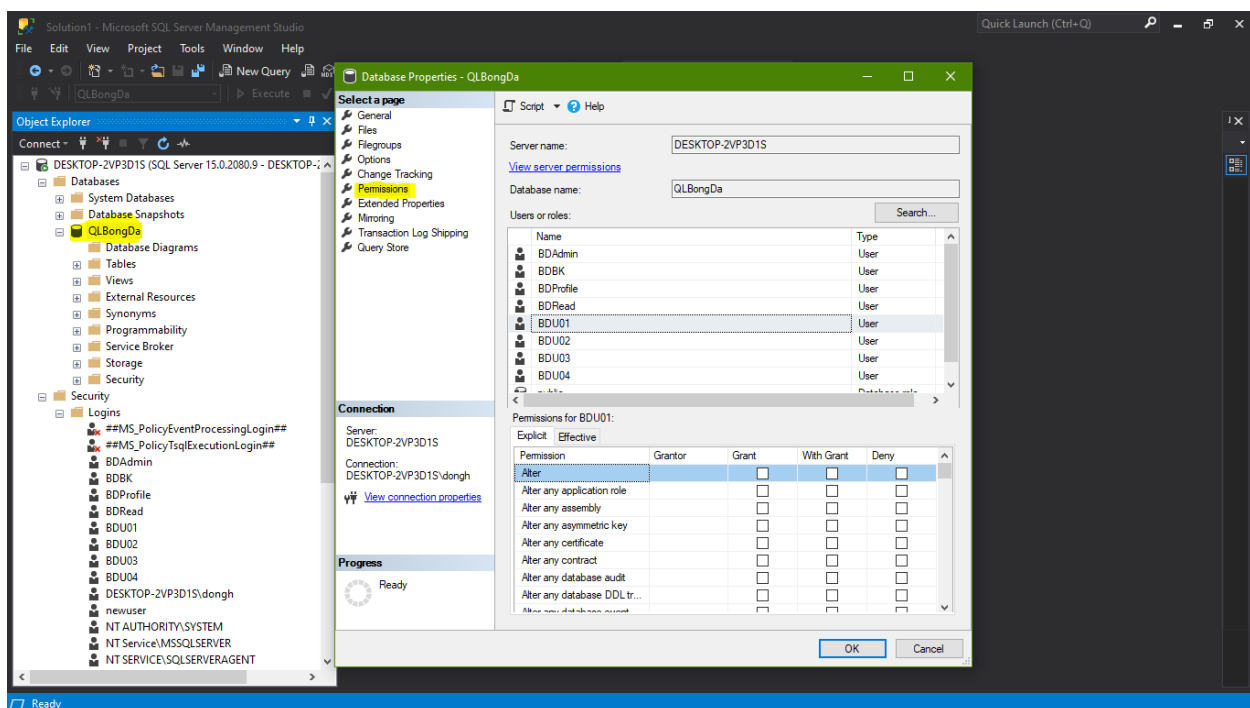
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**



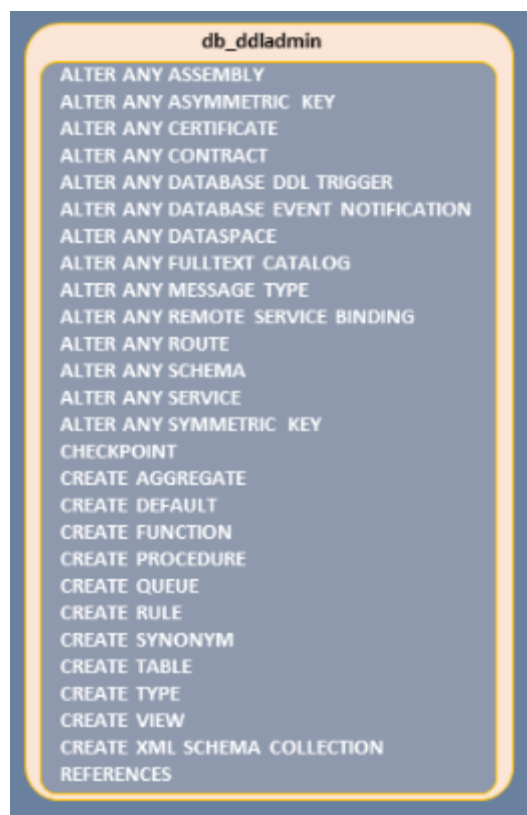
Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **db\_ddladmin** và **public**



Bước 3: Ở phần Database chọn **QLBongDa** => **Properties** => **Permission**



#### Bước 4: Bảng các quyền của **db\_ddladmin**



Từ bảng trên, ta deny các quyền của **db\_ddladmin** (trừ **create table** và **connect**)

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Alter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any application role		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any assembly		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any asymmetric key		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any certificate		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any contract		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any database audit		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any database DDL trigger		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any database event notification		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any dataspace		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any external data source		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any external file format		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Alter any external file format		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any fulltext catalog		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any mask		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any message type		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any remote service binding		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any role		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any route		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any schema		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any security policy		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any sensitivity classification		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alter any service		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any symmetric key		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Alter any service		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any symmetric key		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alter any user		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Authenticate		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backup database		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Backup log		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Checkpoint		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Connect		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connect replication		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Connect	dbo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create aggregate		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OK Cancel

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Connect	dbo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create aggregate		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create assembly		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create asymmetric key		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create certificate		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create contract		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create database DDL event notification		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create default		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create fulltext catalog		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create function		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create message type		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

OK Cancel

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Create fulltext catalog		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create function		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create message type		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create procedure		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create queue		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create remote service binding		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create role		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create route		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create rule		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create schema		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create service		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Permissions for BDU01:

Permission	Grantor	Grant	With Grant	Deny
Create rule		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create schema		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create service		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create symmetric key		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create synonym		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create table		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create type		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create view		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Create XML schema collection		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Delete		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Execute		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Permissions for BDU01:

Explicit Effective

Permission	Grantor	Grant	With Grant	Deny
Create XML schema collection		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Delete		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Execute		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Insert		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
References		<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Select		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Show plan		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subscribe query notifications		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Take ownership		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unmask		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Update		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

Permissions for BDU01:

Explicit Effective

Permission	Grantor	Grant	With Grant	Deny
Show plan		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Subscribe query notifications		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Take ownership		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unmask		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Update		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View any column encryption key definition		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View any column master key definition		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View any sensitivity classification		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View database state		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View definition		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

OK Cancel

## 2. Kiểm tra

script\_test.sql - DESKTOP-2VP3D1S.QLBongDa (BDU01 (55)) - Microsoft SQL Server Management Studio

File Edit View Project Tools Window Help

Object Explorer

Connect - DESKTOP-2VP3D1S (SQL Server 15.0.2080.9 - BDU01)

Databases

- System Databases
- Database Snapshots
- QLBongDa
  - Database Diagrams
  - Tables
    - System Tables
    - FileTables
    - External Tables
    - Graph Tables
    - dbo.BANGXH
    - dbo.CAULACBO
    - dbo.CAUTHU
    - dbo.DoiHoiTro
    - dbo.HLV\_CLB
    - dbo.HUANLUYENVIEN
    - dbo.QUOCGIA
    - dbo.SANVD
    - dbo.TINH
    - dbo.TRANDAU
  - Views
  - External Resources
  - Synonyms
  - Programmability
  - Service Broker
  - Storage
  - Security
- Security
  - Server Objects
  - Replication
  - PolyBase

script\_test.sql - D...BongDa (BDU01 (55))

```

38 UPDATE CAULACBO Set MACLB = 'HAGL'
39 where MASAN= 'PL' and MATINH = 'GL'
40
41 -----test BDU01-----
42 --Thuc thi duoc--
43 create table DoiHoiTro
44 (
45     TenHT nvarchar(20),
46     MaHT char(4),
47     primary key (MaHT)
48 )
49 go
50
51 --Thuc thi khong duoc--
52

```

Messages

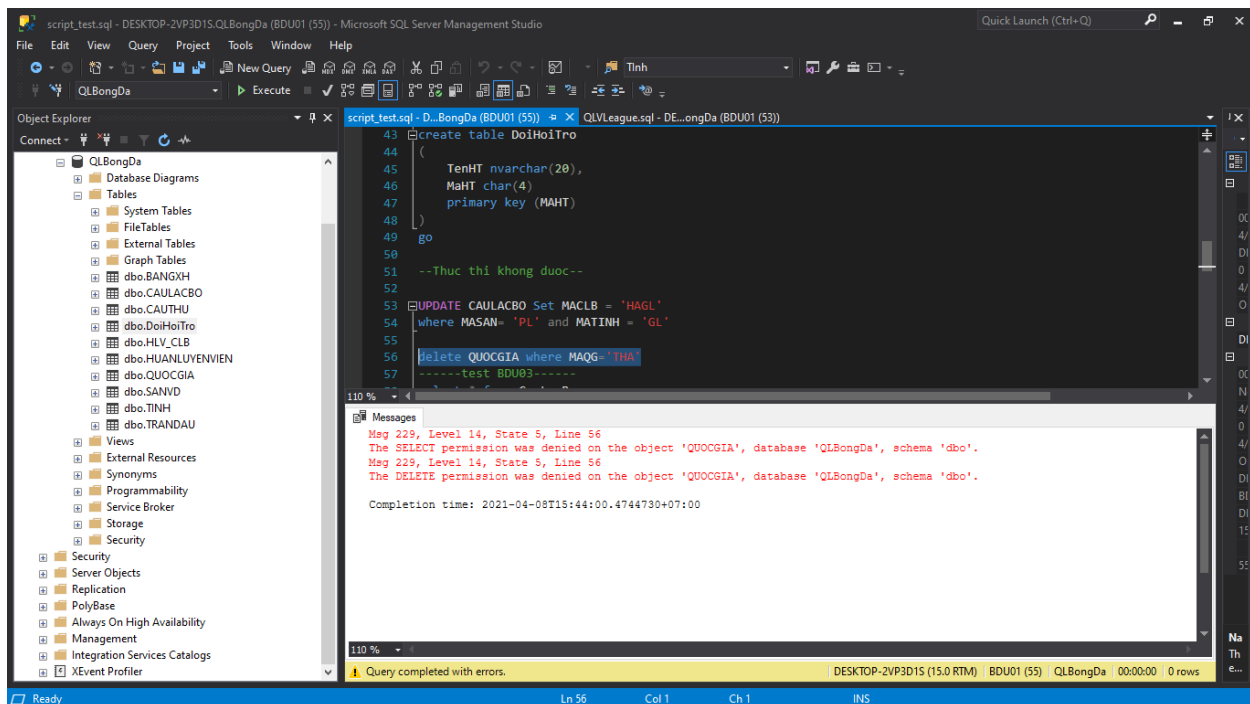
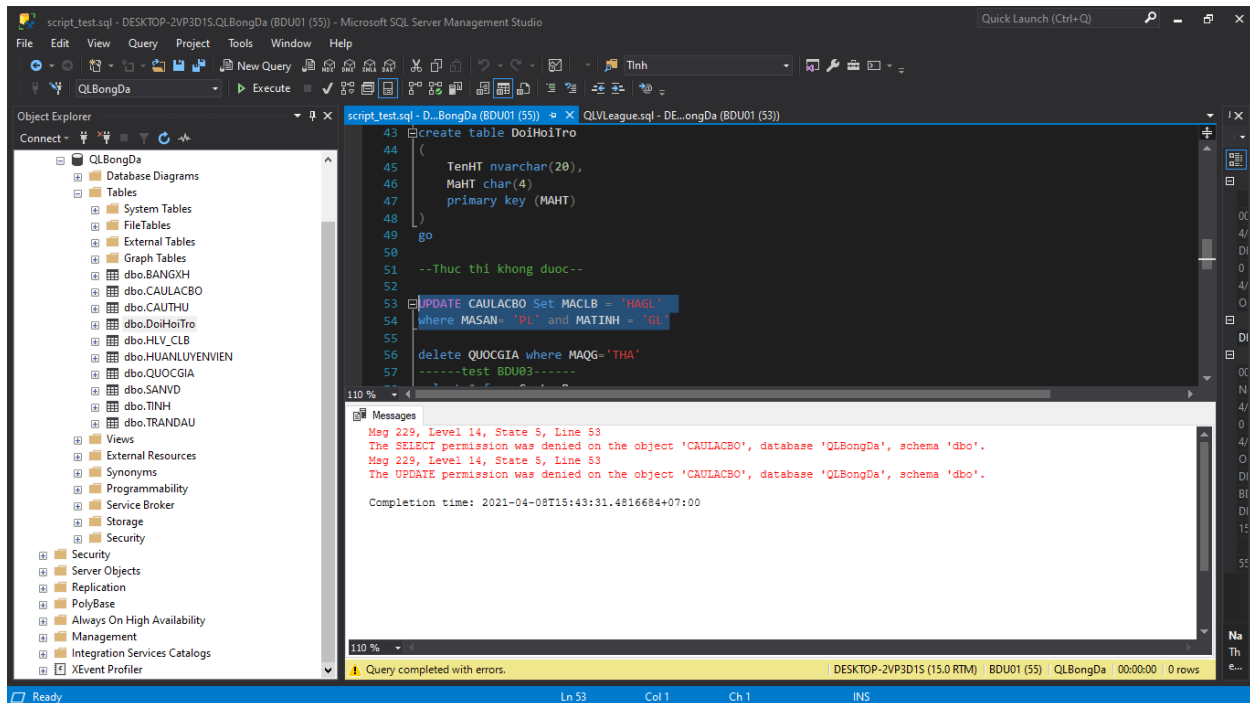
Commands completed successfully.

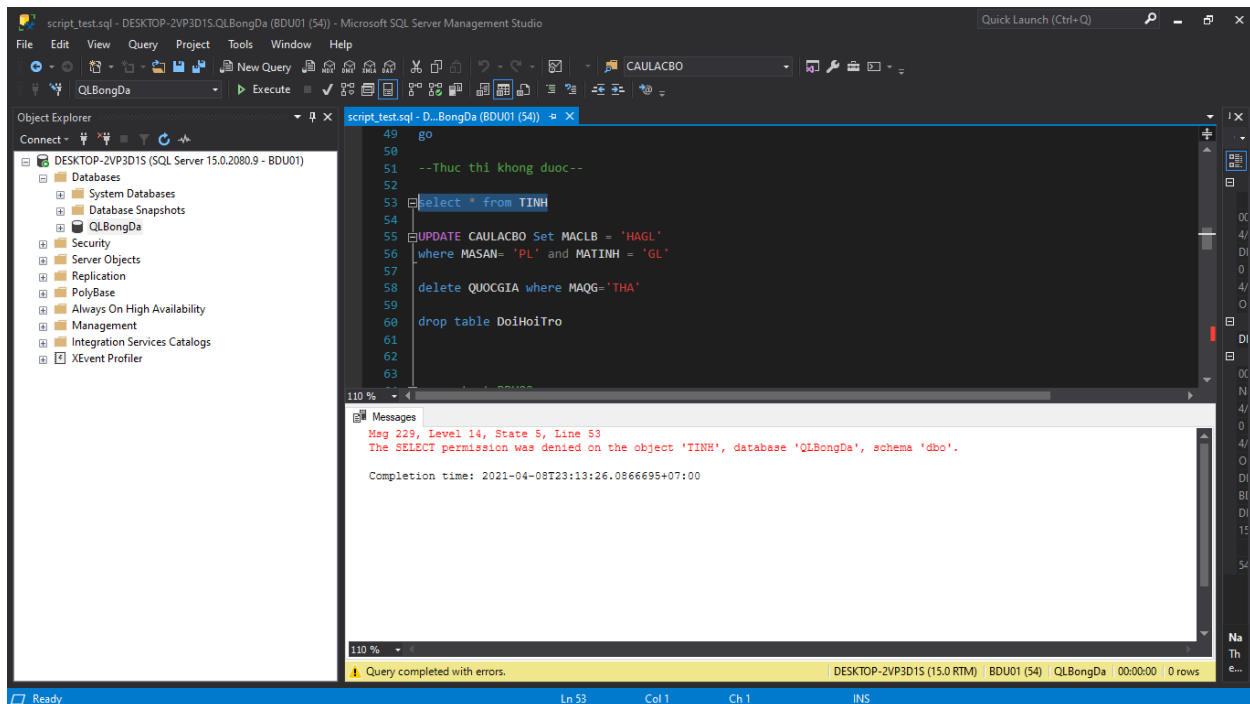
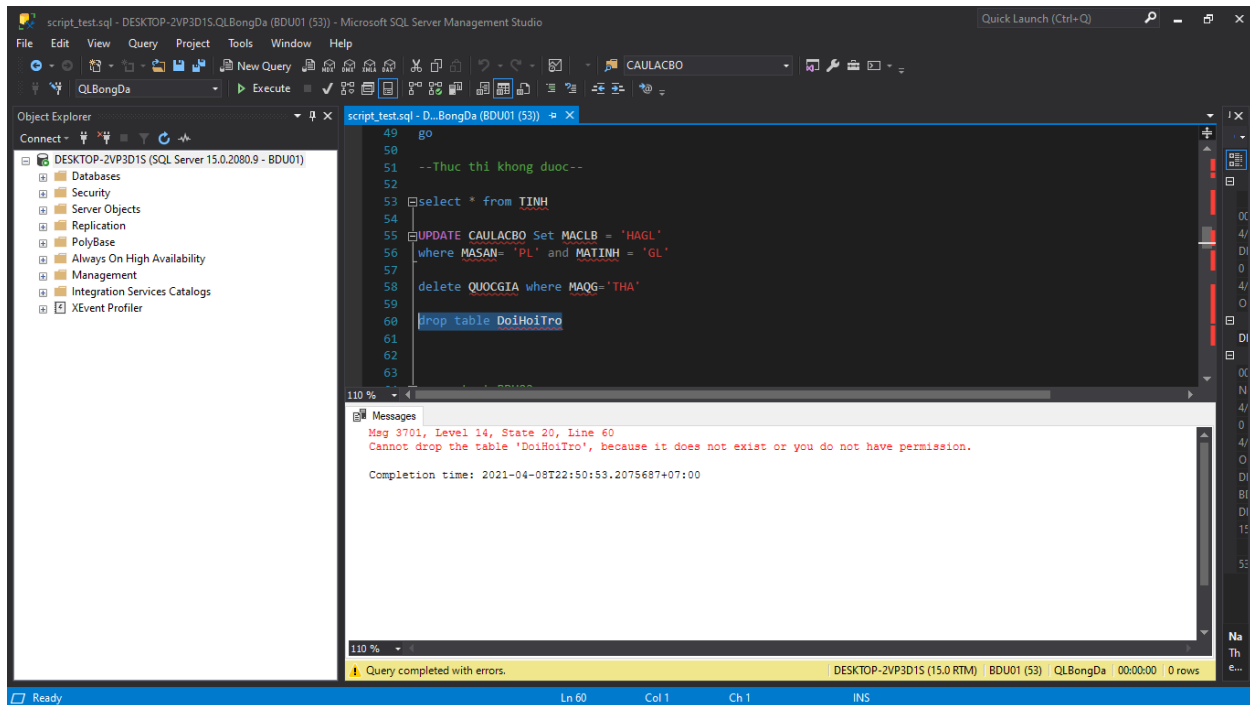
Completion time: 2021-04-08T15:42:42.1707555+07:00

Query executed successfully.

DESKTOP-2VP3D1S (15.0 RTM) | BDU01 (55) | QLBongDa | 00:00:00 | 0 rows



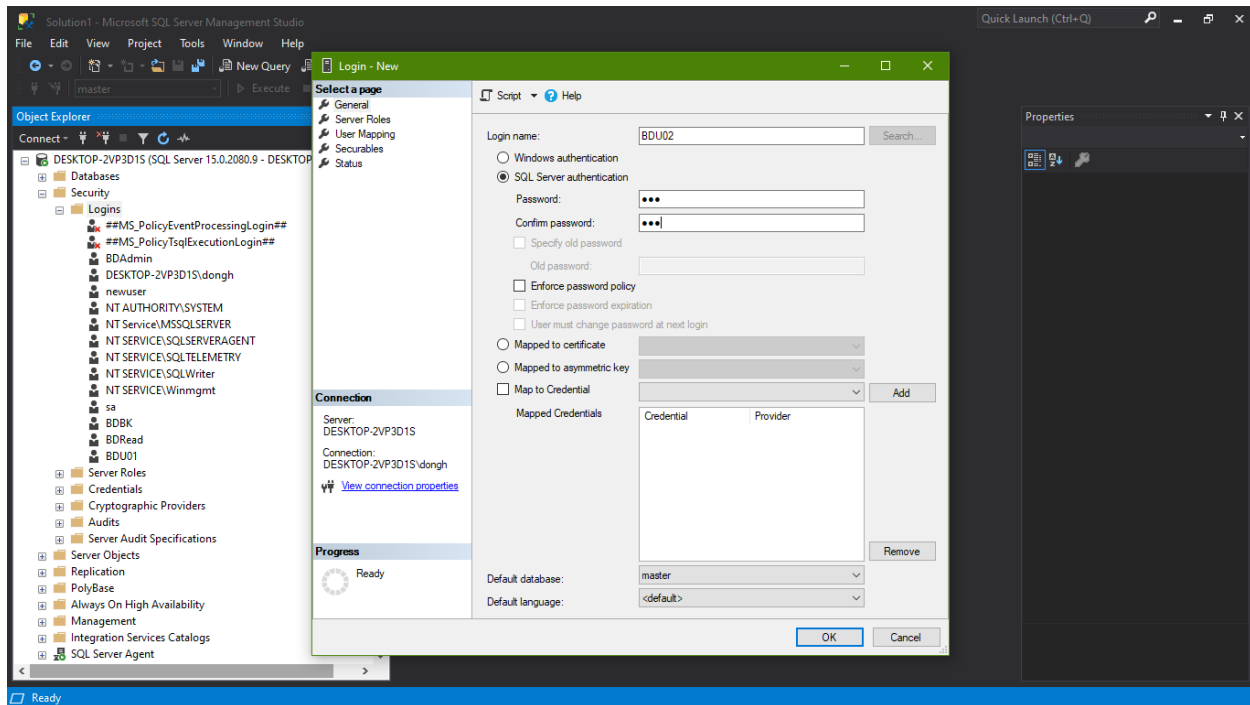




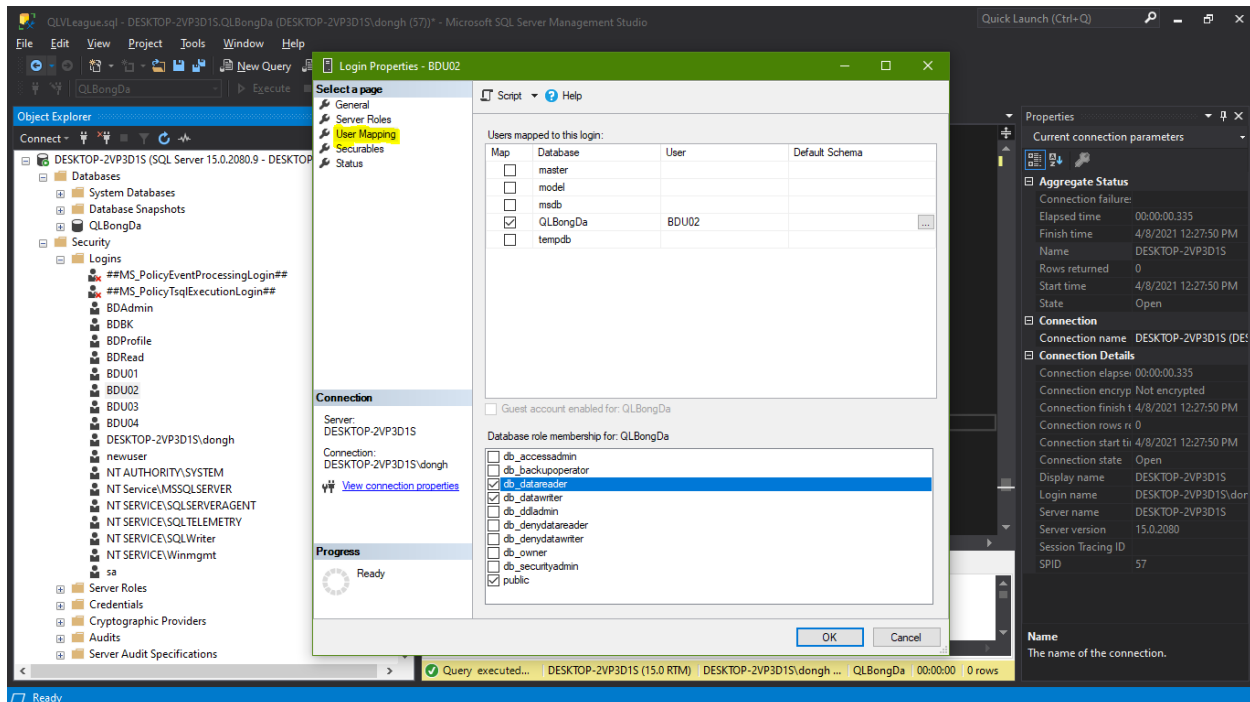
## E. BDU02

### 1. Cài đặt

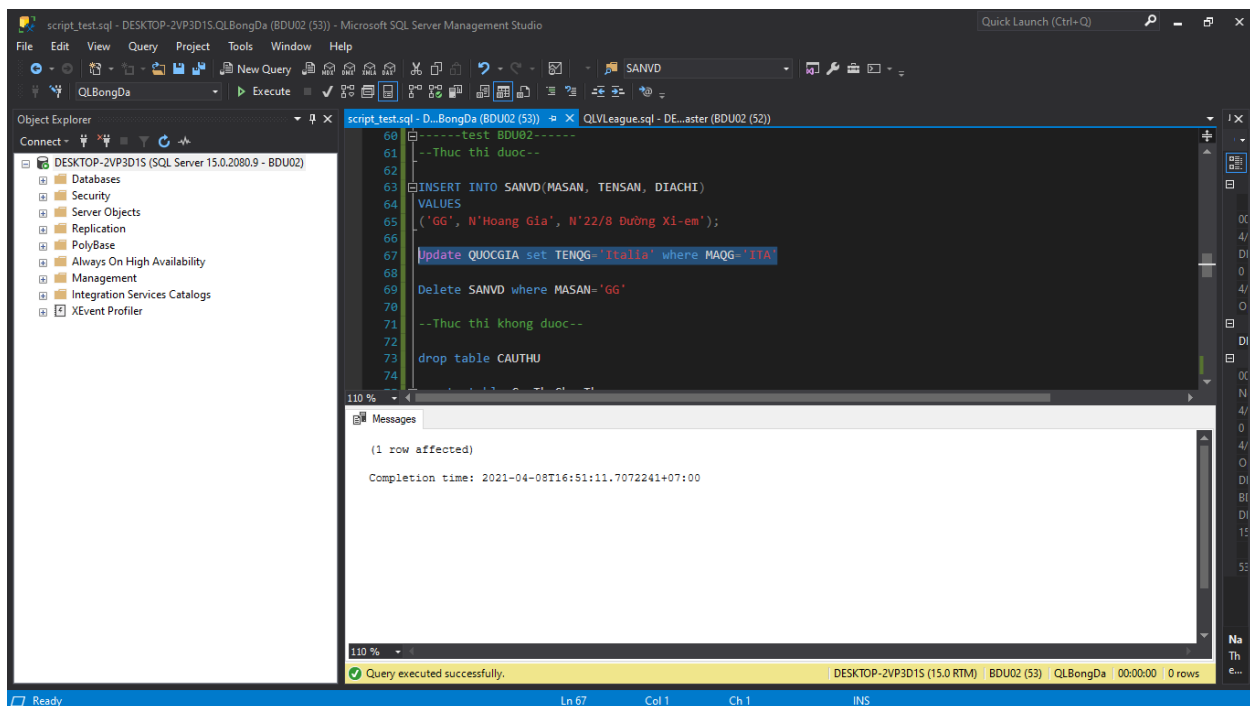
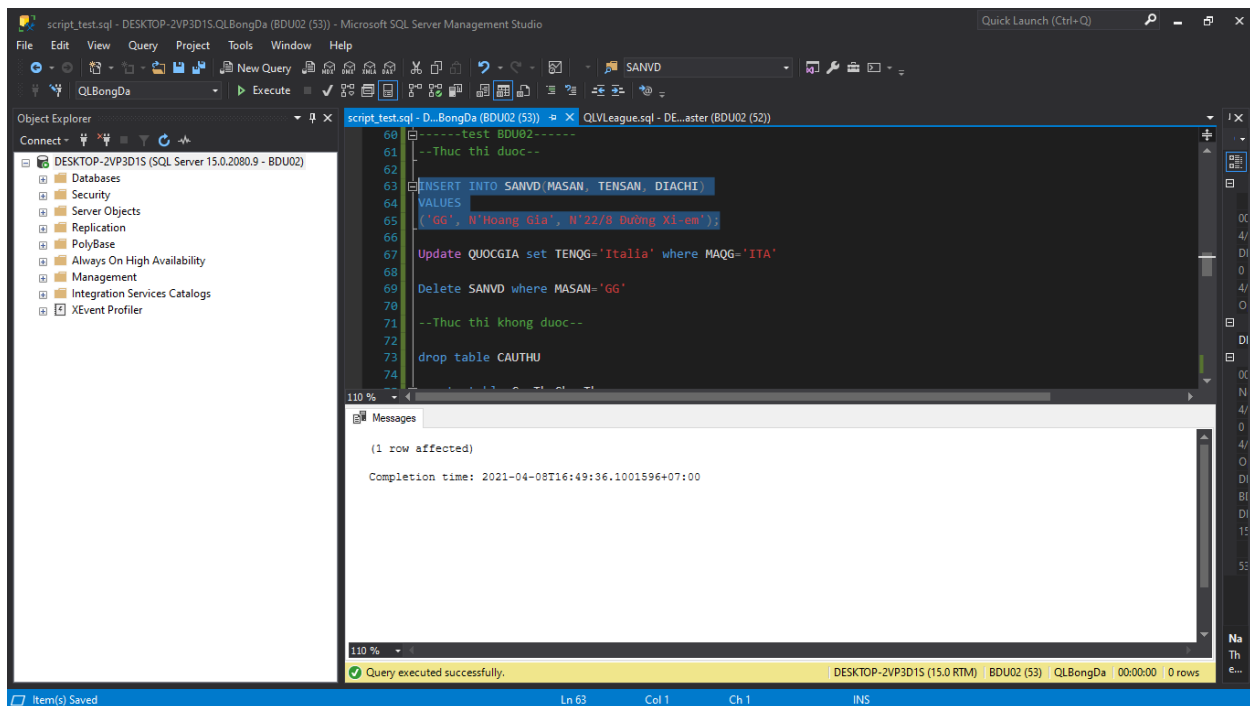
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**

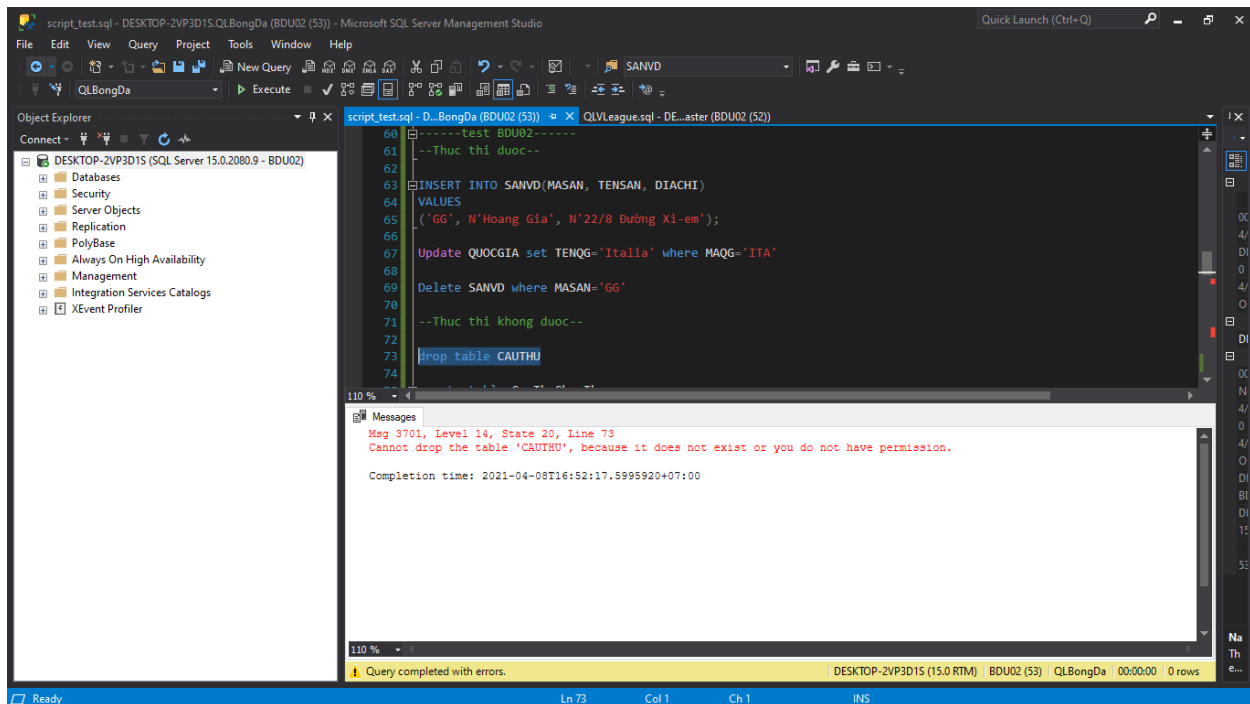
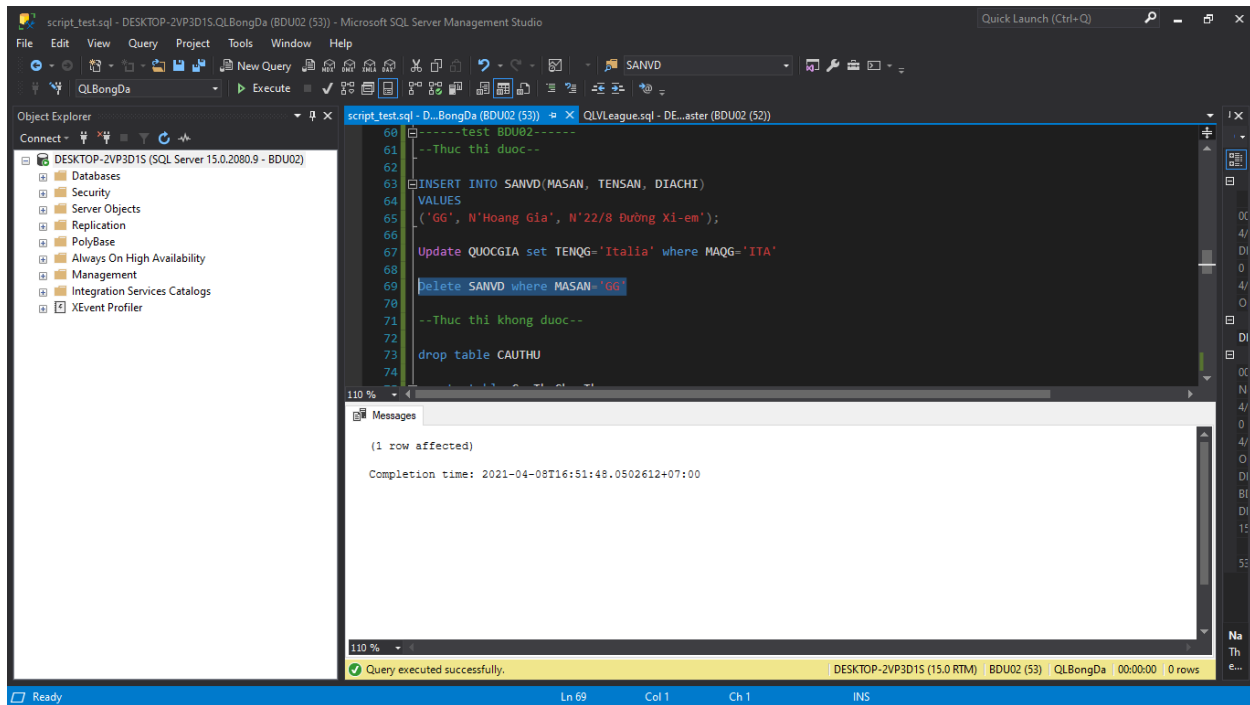


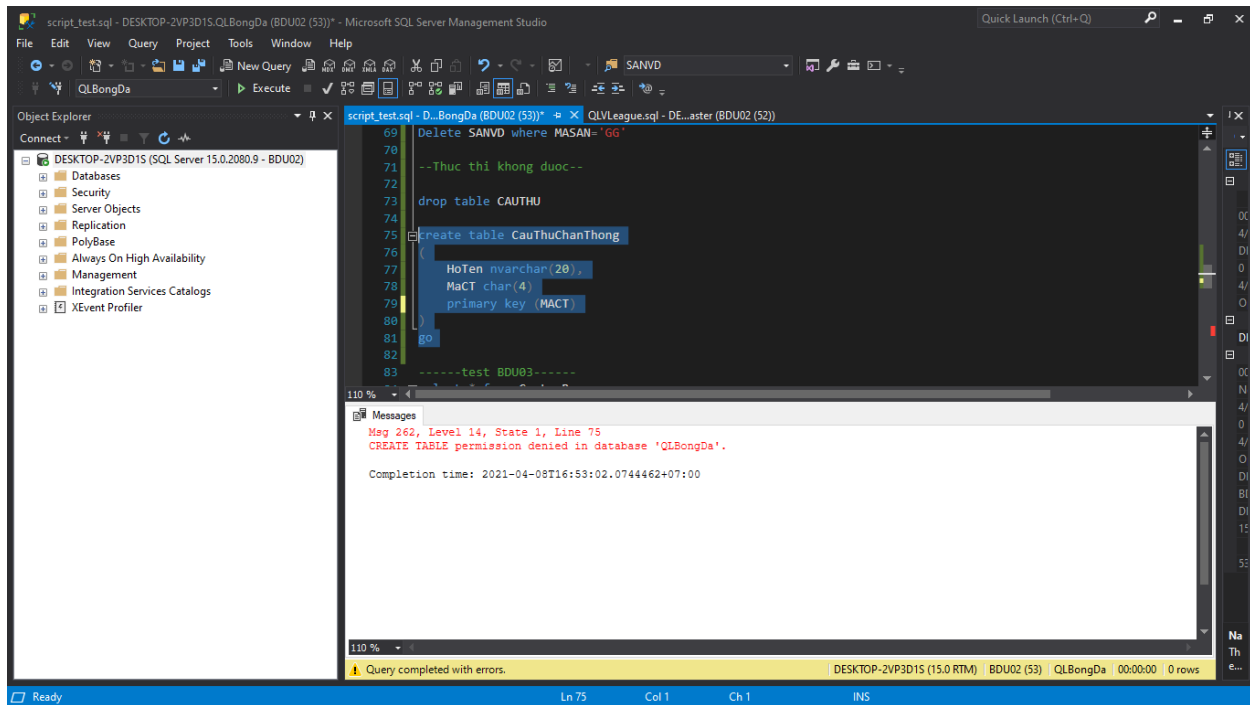
Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **db\_datareader**, **db\_datawriter** và **public**



## 2. Kiểm tra



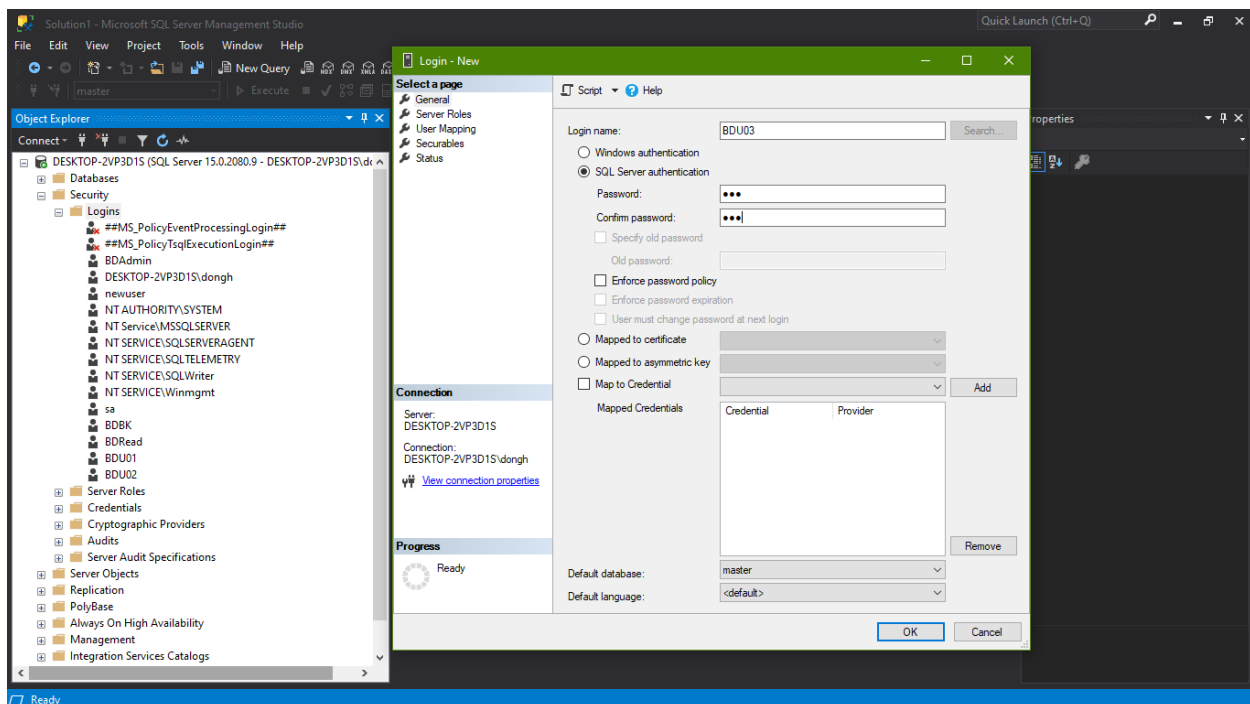




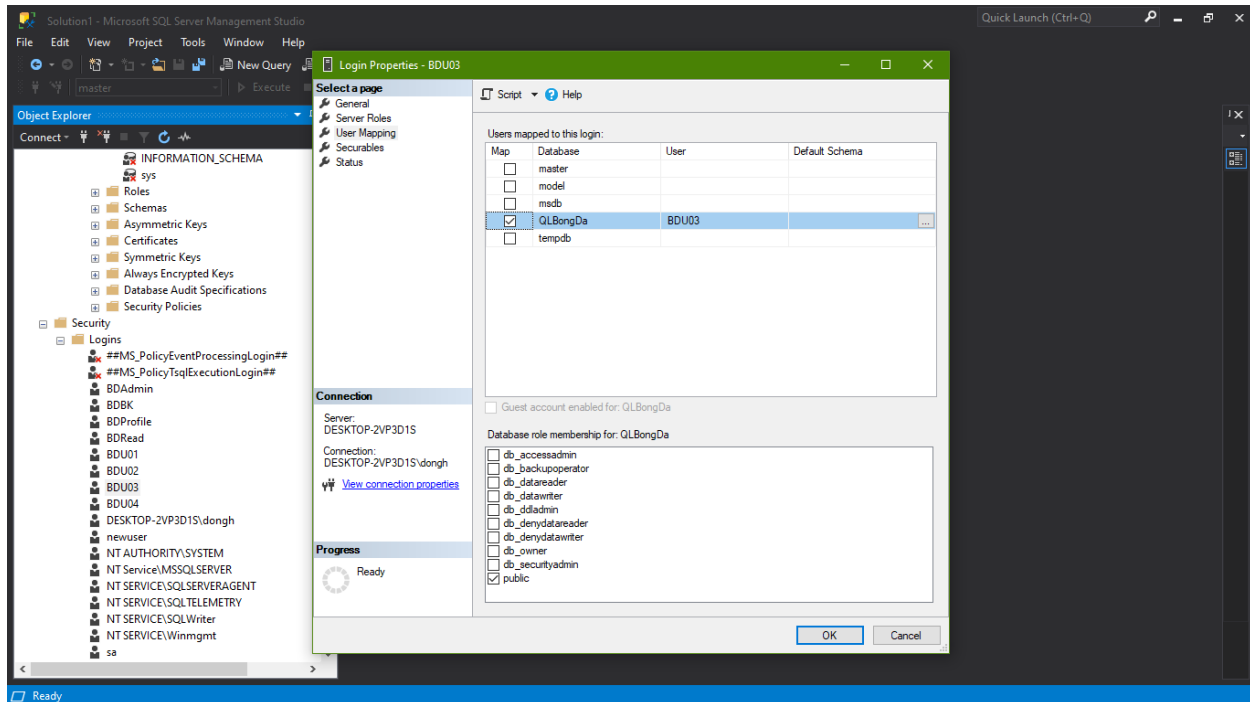
## F. BDU03

### 1. Cài đặt

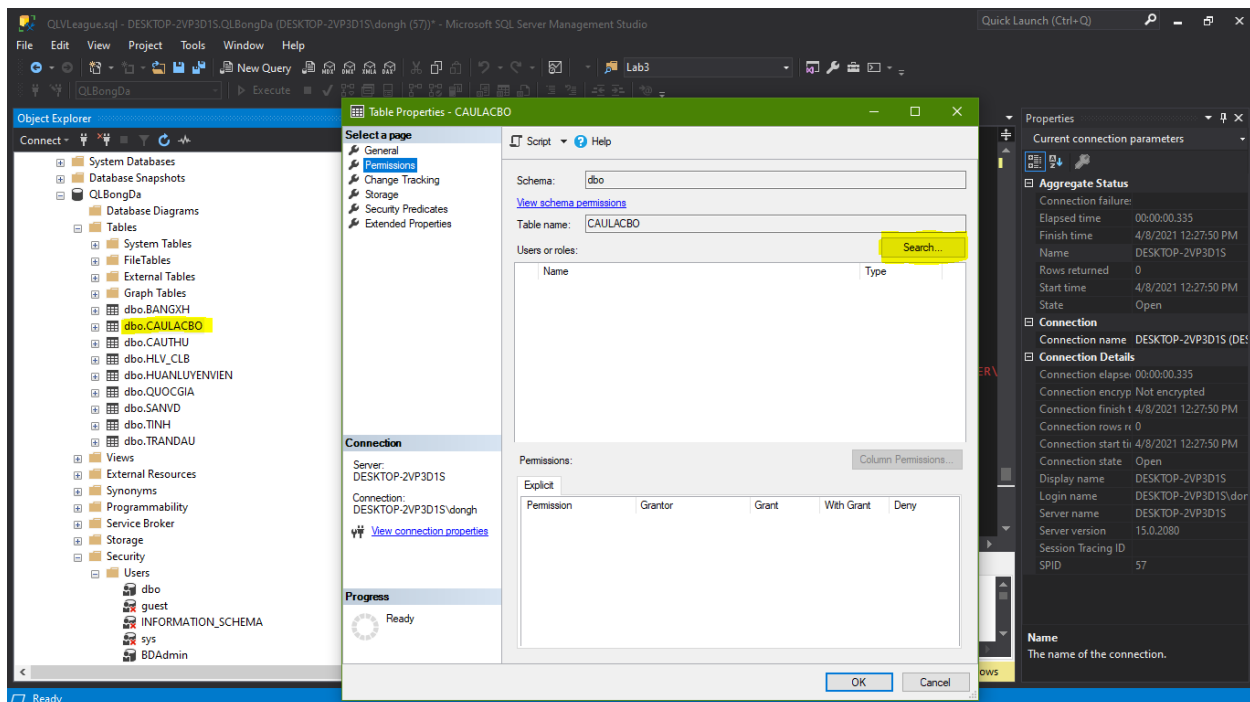
Bước 1: Tạo user mới với loại ủy quyền là **SQL Server Authentication**



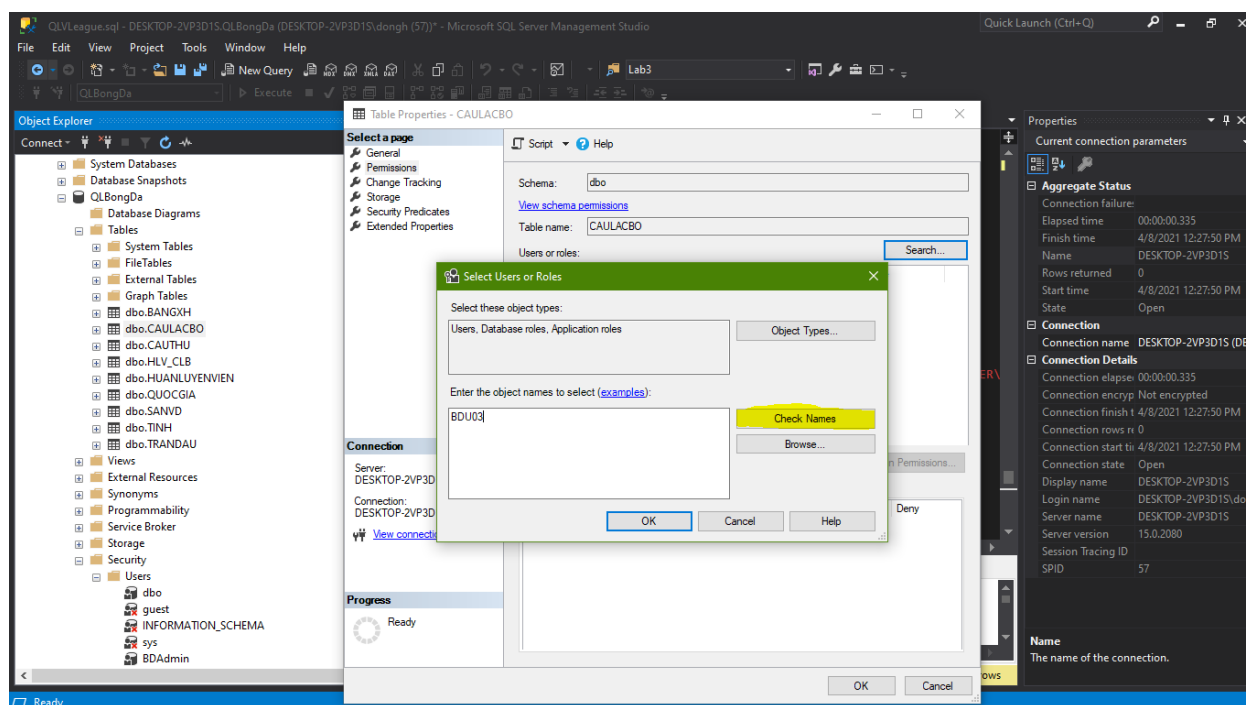
Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **public**



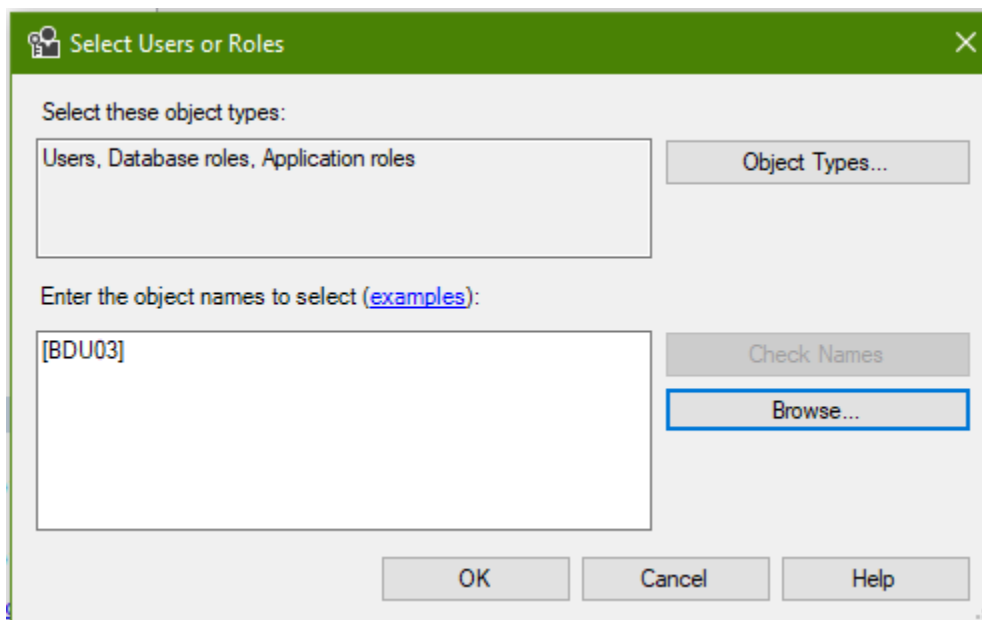
Bước 3: Ở phần Database chọn **QLBongDa** => **Tables** => **dbo.CAULACBO** => search



## Bước 4: Nhập tên user BD03 và chọn Check Name

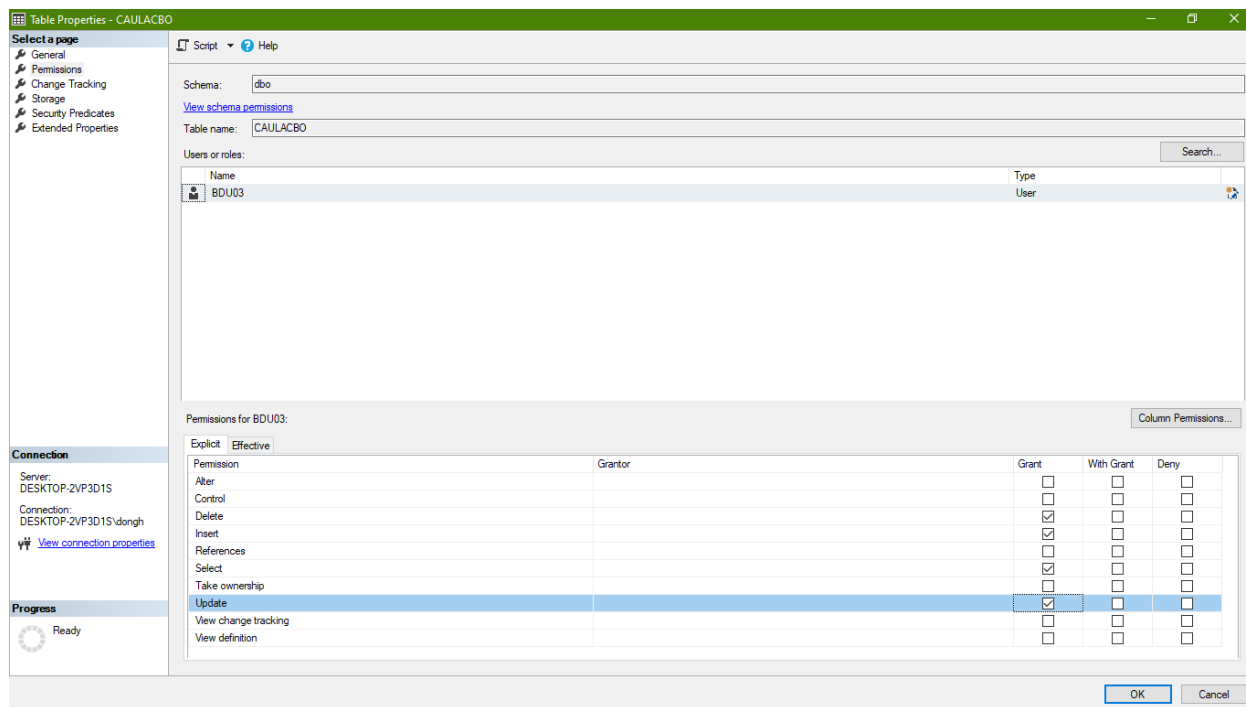


## Bước 5: Tìm user BDU03 =&gt; OK

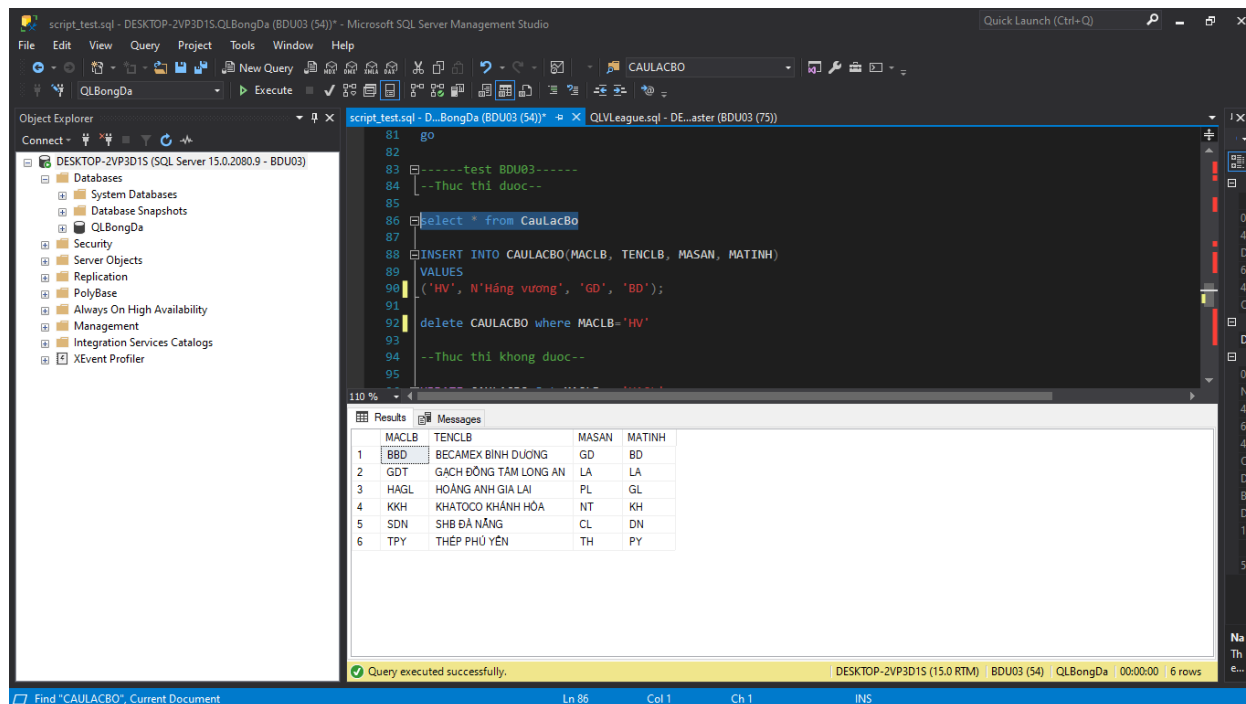


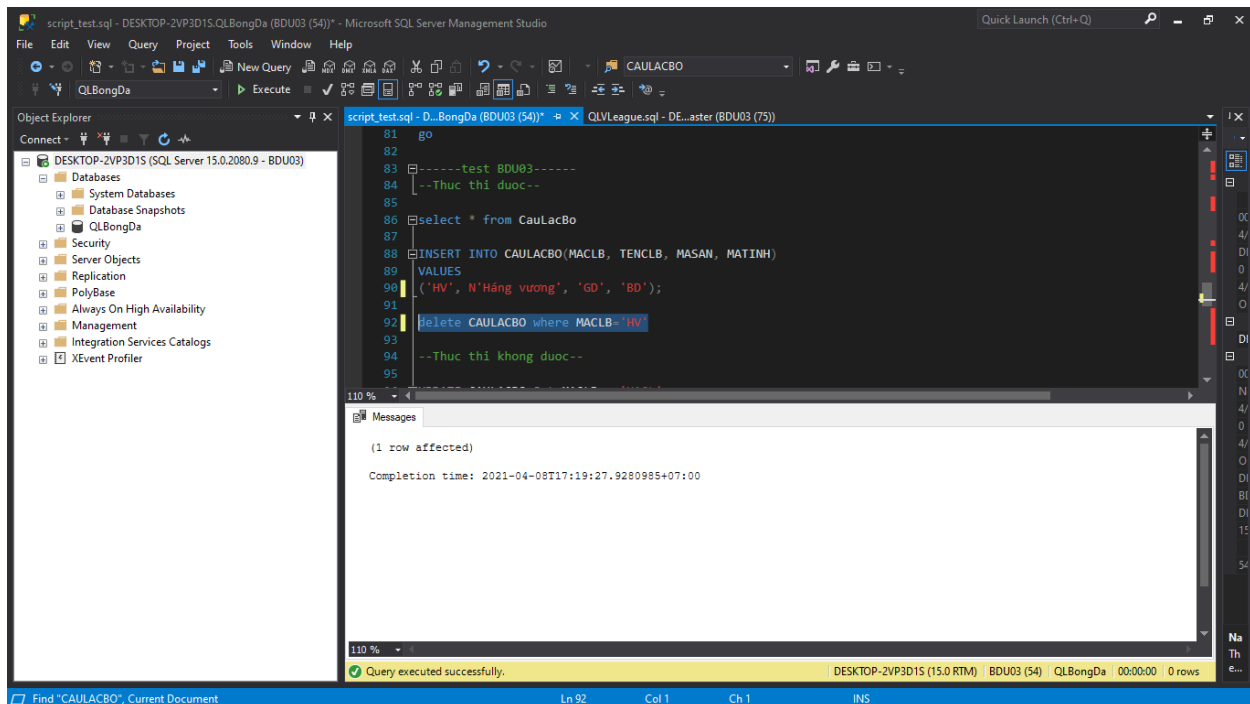
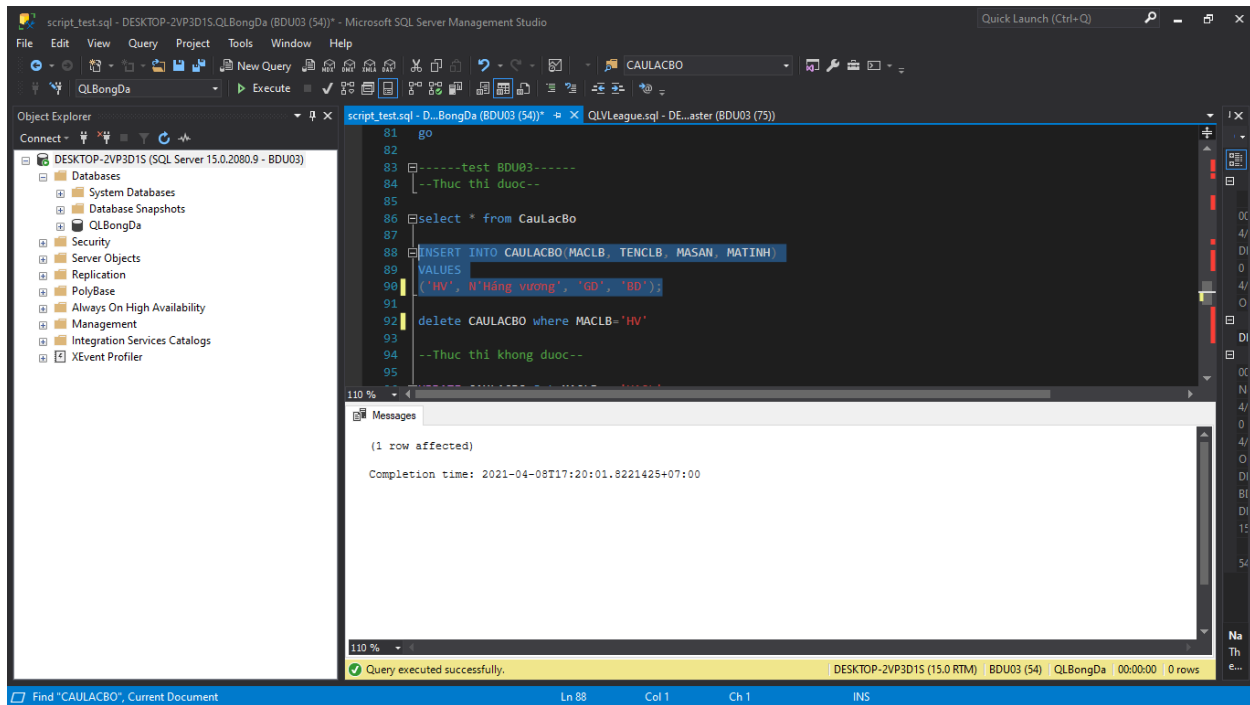


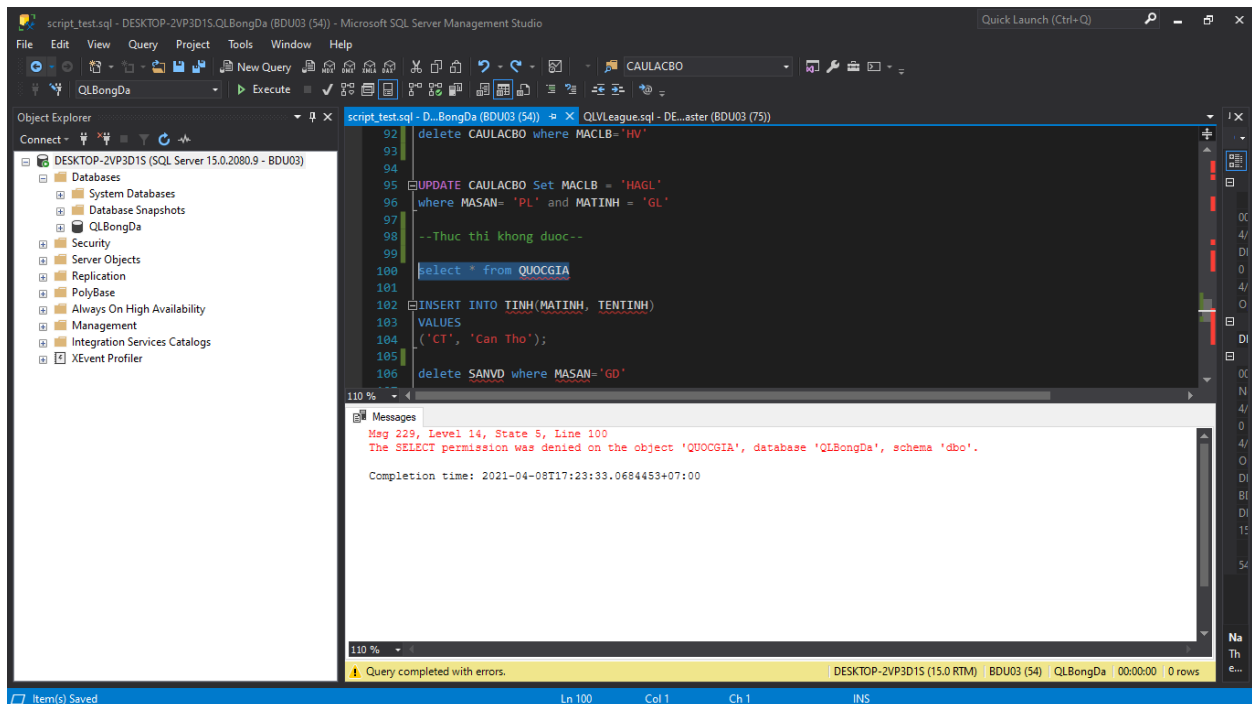
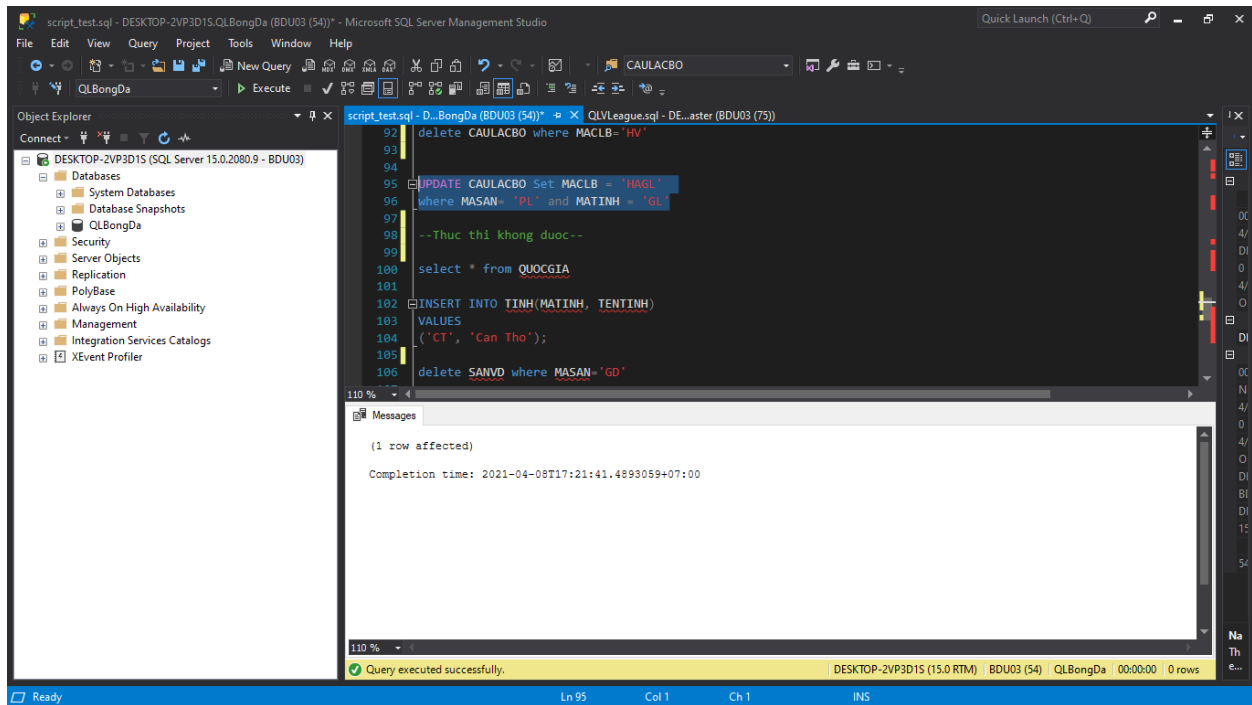
## Bước 6: Sau đó Grant Permission – chọn **Delete**, **Insert**, **Select**, **Update**

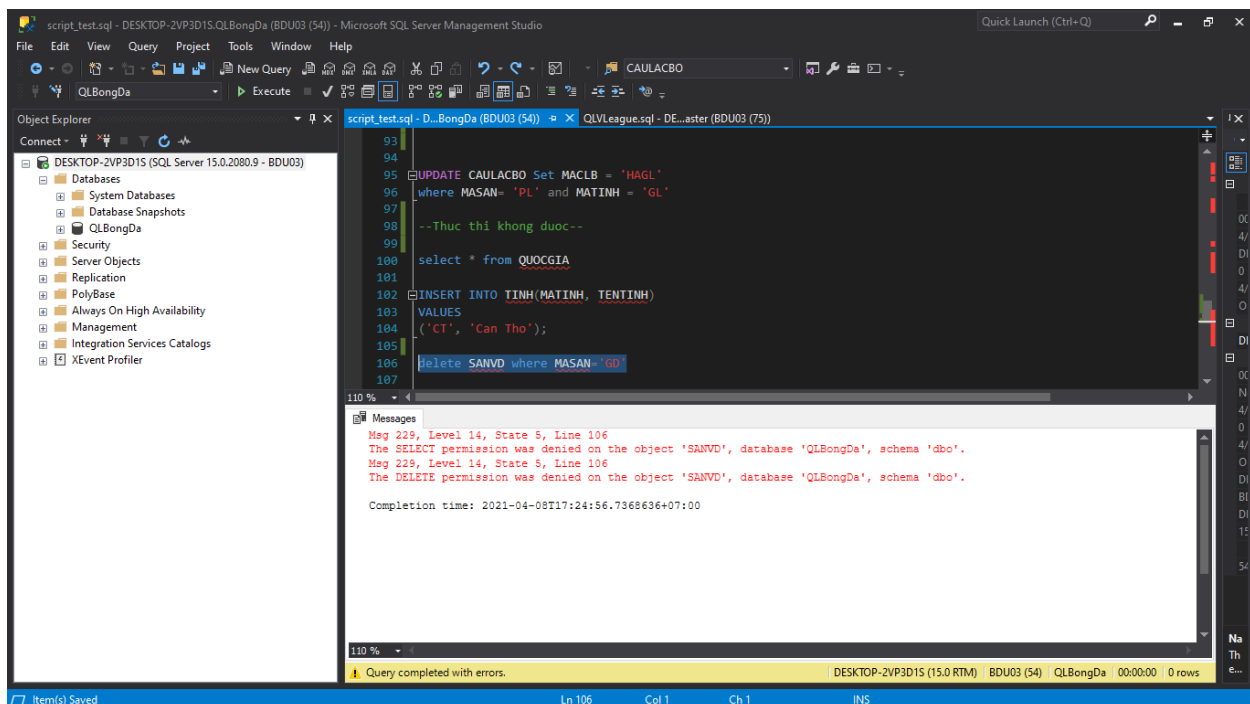
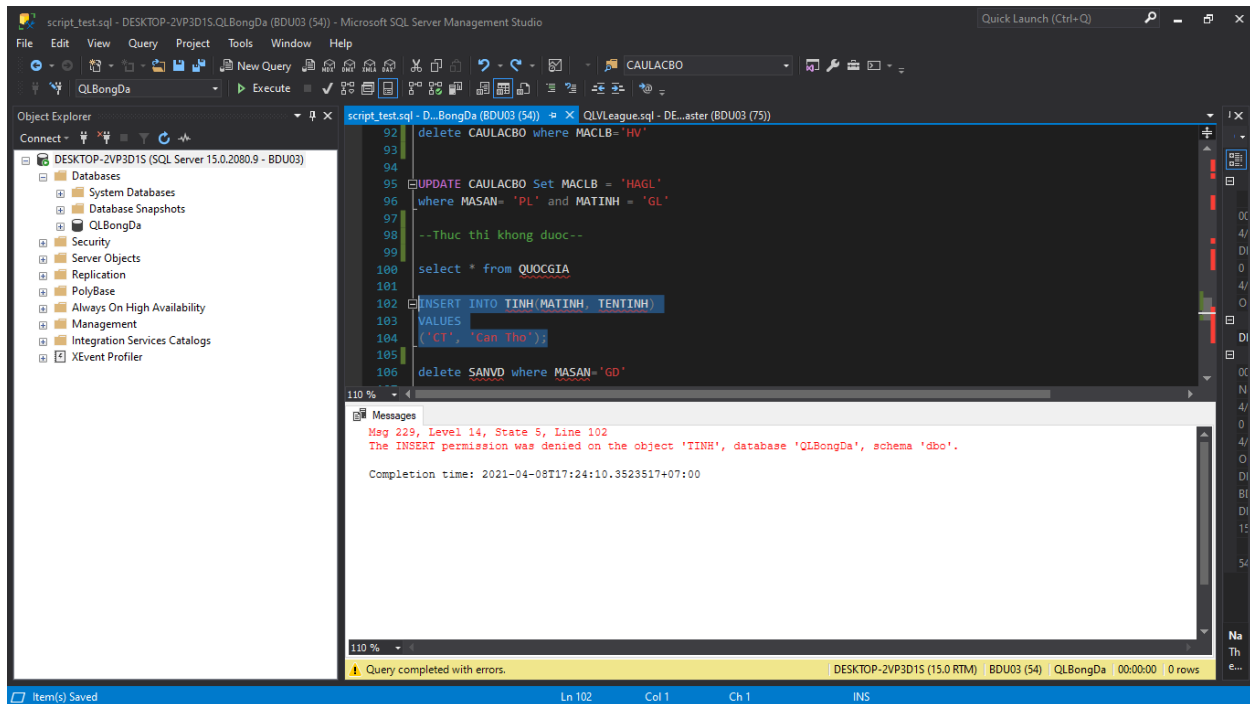


## 2. Kiểm tra





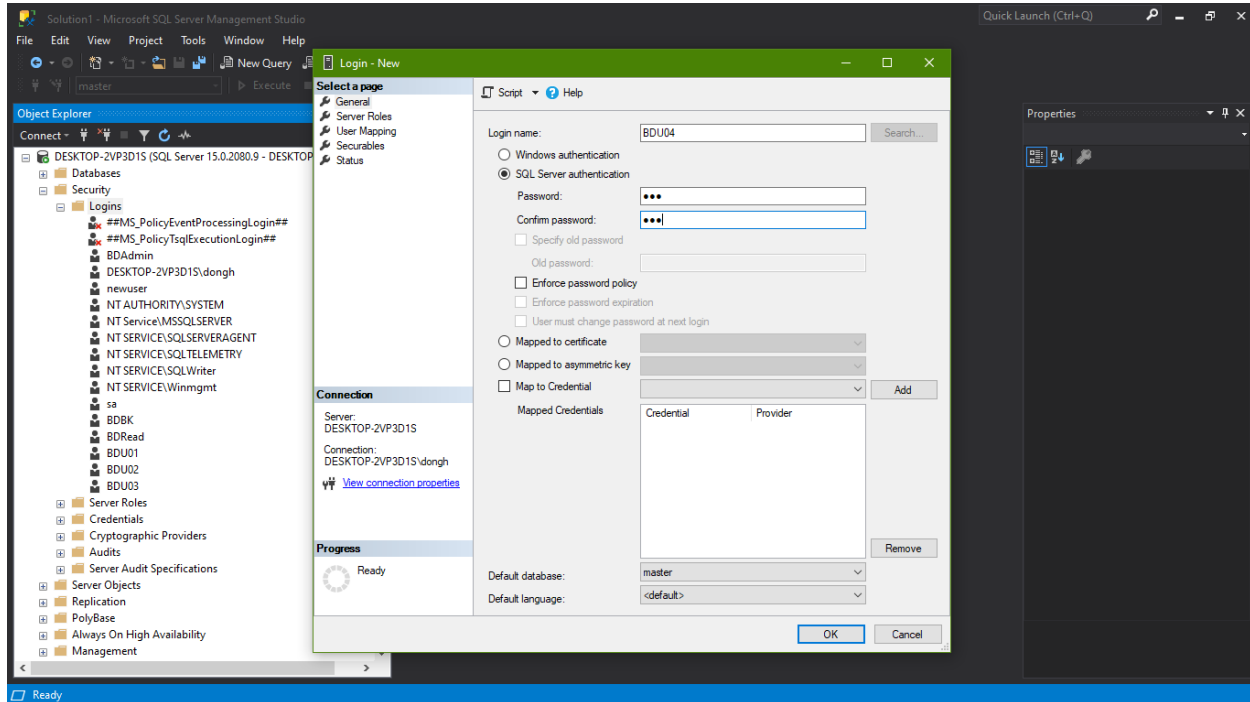




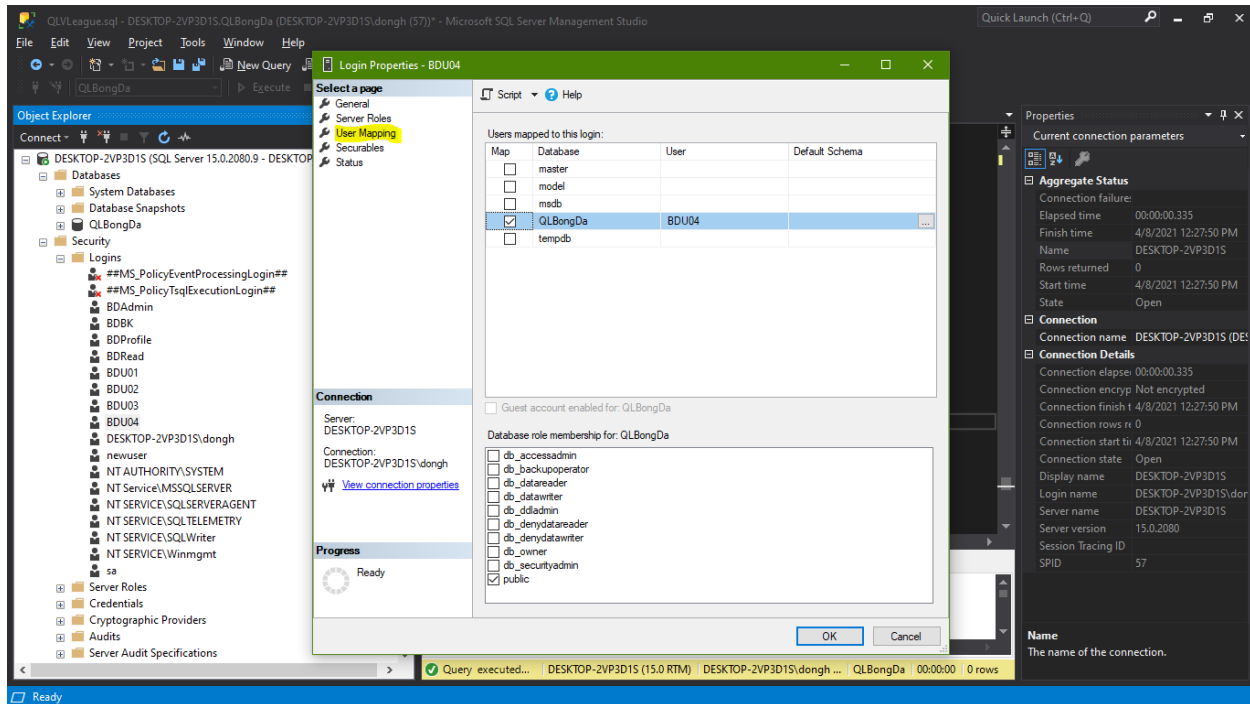
## G. BDU04

### 1. Cài đặt

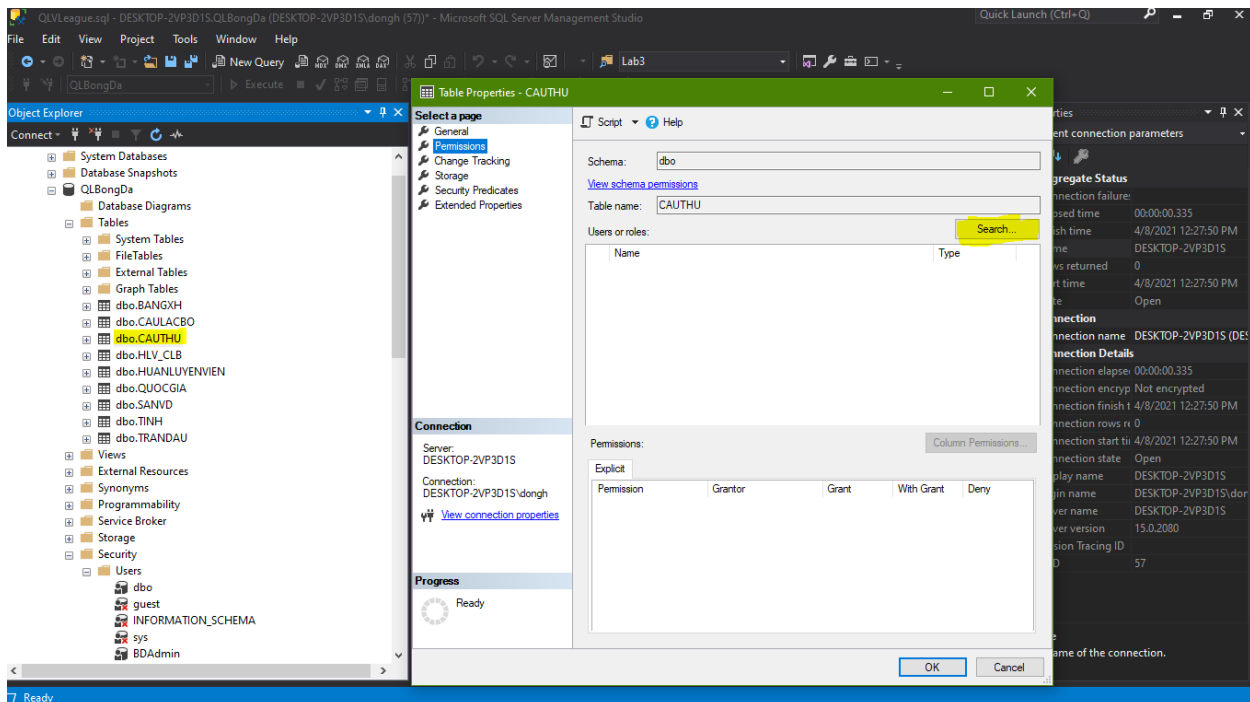
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**



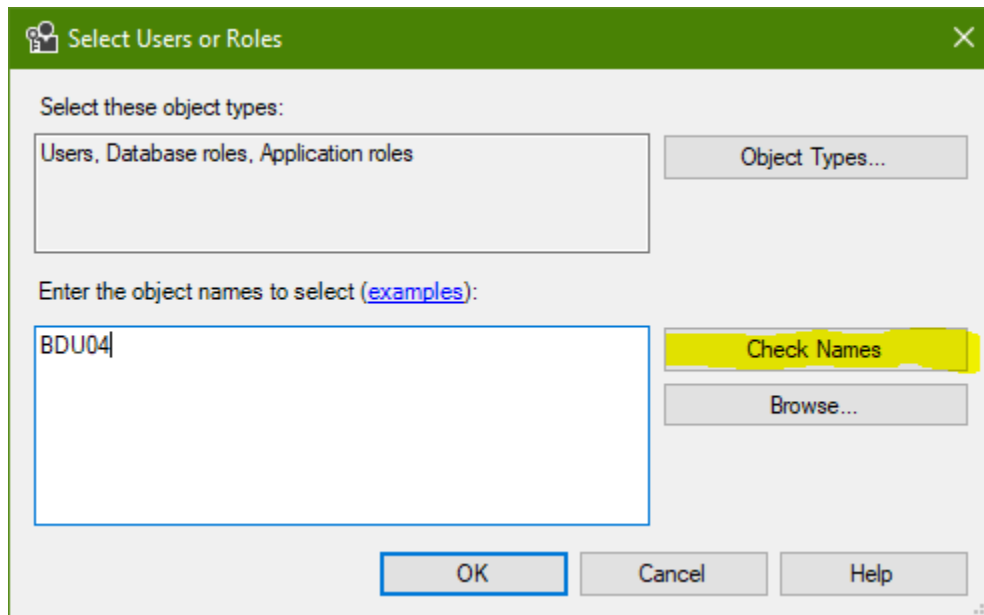
Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **public**



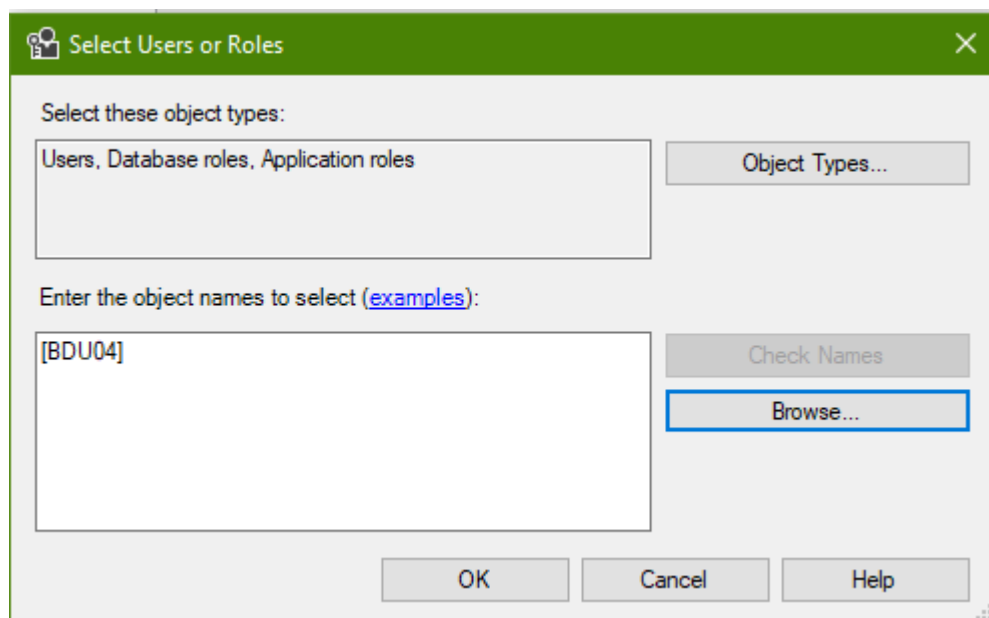
Bước 3: Ở phần Database chọn **QLBongDa** => **Tables** => **dbo.CAUTHU** => **search**



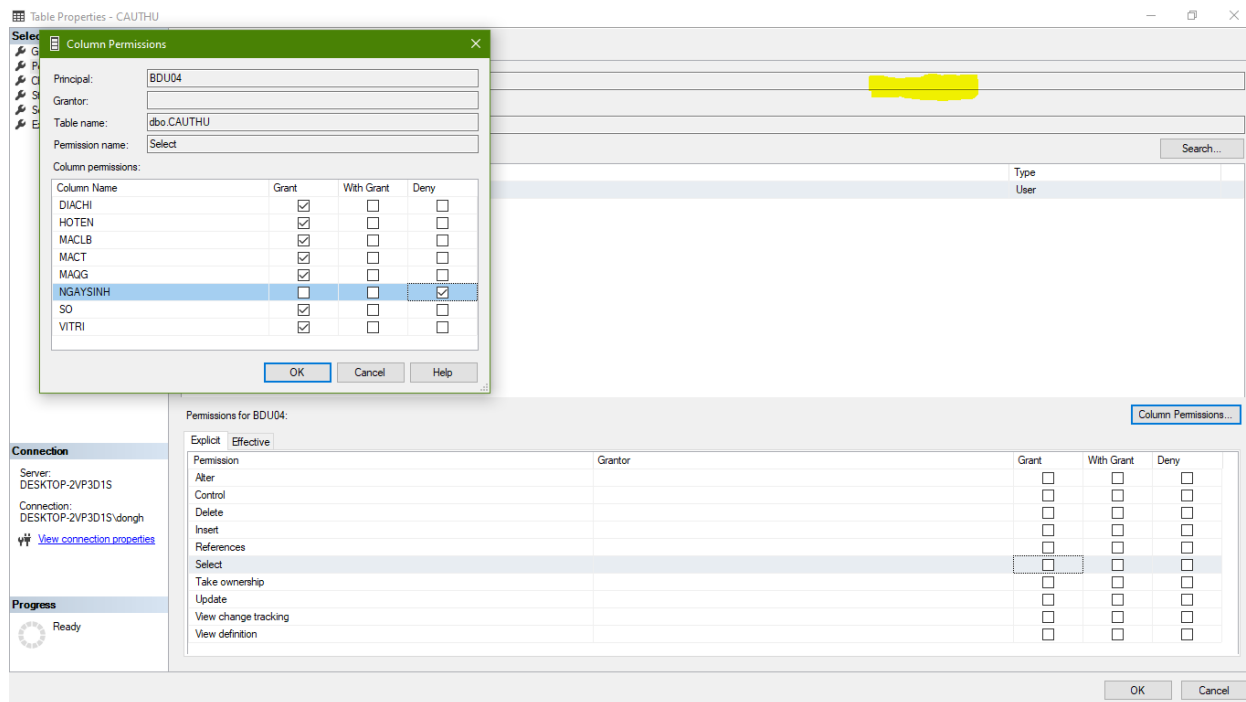
Bước 4: Nhập tên user BDU04 và chọn **Check Name**



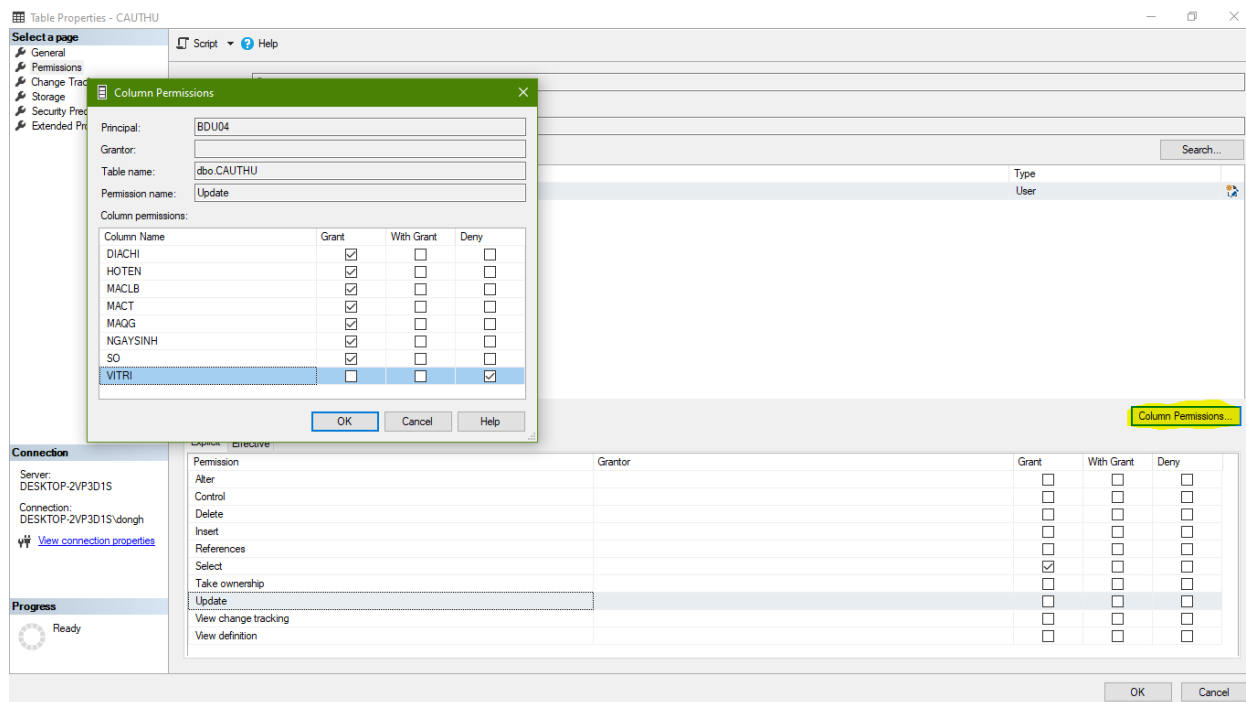
Bước 5: Tìm user **BDU04** => **OK**



Bước 6: Sau đó tích chọn **Select** và chọn **Column Permission** Grant tất cả các cột (trừ cột NGAYSINH được deny)

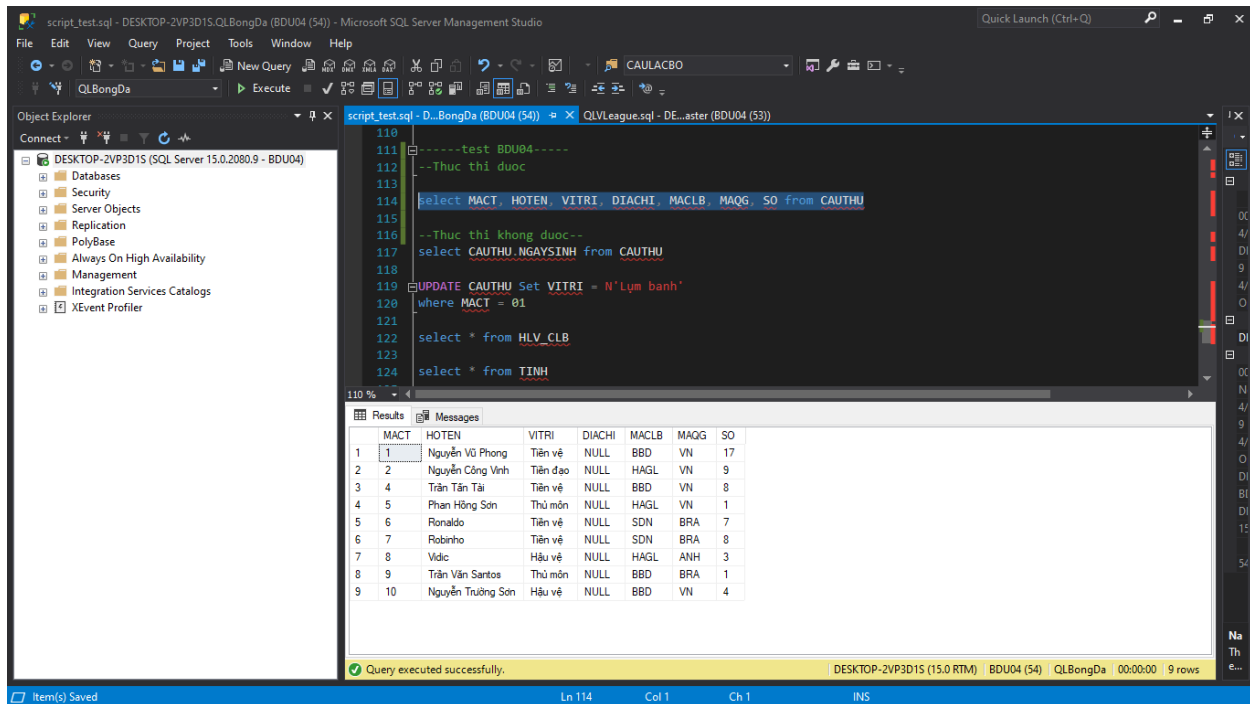


Bước 7: Sau đó tích chọn **Update** và chọn **Column Permission** Grant tất cả các cột (trừ cột VITRI được deny)





## 2. Kiểm tra



script\_test.sql - DESKTOP-2VP3D1S.QLBongDa (BDU04 (54)) - Microsoft SQL Server Management Studio

Object Explorer: DESKTOP-2VP3D1S (SQL Server 15.0.2080.9 - BDU04)

Query Window: script\_test.sql - D...BongDa (BDU04 (54))

```

110
111 -----test BDU04-----
112 --Thuc thi duoc
113
114 select MACT, HOTEN, VITRI, DIACHI, MACLB, MAQG, SO from CAUTHU
115
116 --Thuc thi khong duoc--
117 select CAUTHU.NGAYSINH from CAUTHU
118
119 UPDATE CAUTHU Set VITRI = N'Lum banh'
120 where MACT = 01
121
122 select * from HLV_CLB
123
124 select * from TINH

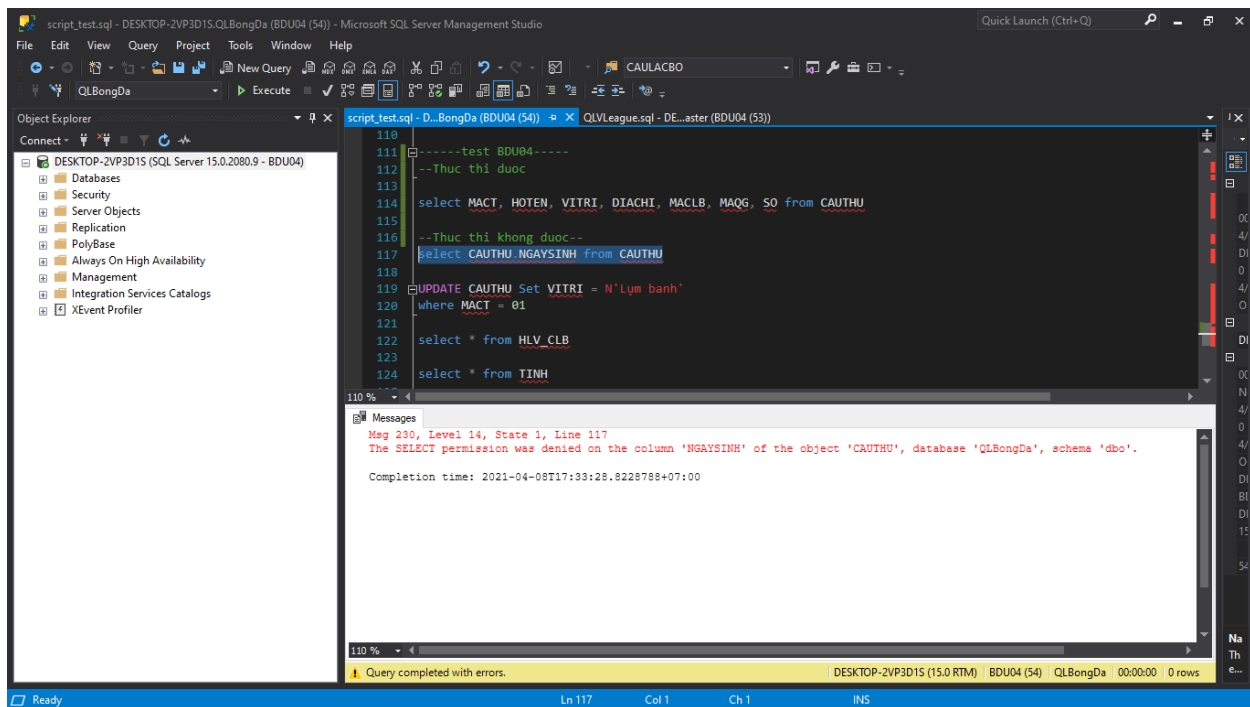
```

Results:

	MACT	HOTEN	VITRI	DIACHI	MACLB	MAQG	SO
1	1	Nguyễn Vũ Phong	Tiền vệ	NULL	BBD	VN	17
2	2	Nguyễn Công Vinh	Tiền đạo	NULL	HAGL	VN	9
3	4	Trần Tấn Tài	Tiền vệ	NULL	BBD	VN	8
4	5	Phan Hồng Sơn	Thủ môn	NULL	HAGL	VN	1
5	6	Ronaldo	Tiền vệ	NULL	SDN	BRA	7
6	7	Robinho	Tiền vệ	NULL	SDN	BRA	8
7	8	Vicic	Hậu vệ	NULL	HAGL	ANH	3
8	9	Trần Văn Santos	Thủ môn	NULL	BBD	BRA	1
9	10	Nguyễn Trường Sơn	Hậu vệ	NULL	BBD	VN	4

Messages: Query executed successfully.

Status: DESKTOP-2VP3D1S (15.0 RTM) | BDU04 (54) | QLBongDa | 00:00:00 | 9 rows



script\_test.sql - DESKTOP-2VP3D1S.QLBongDa (BDU04 (54)) - Microsoft SQL Server Management Studio

Object Explorer: DESKTOP-2VP3D1S (SQL Server 15.0.2080.9 - BDU04)

Query Window: script\_test.sql - D...BongDa (BDU04 (54))

```

110
111 -----test BDU04-----
112 --Thuc thi duoc
113
114 select MACT, HOTEN, VITRI, DIACHI, MACLB, MAQG, SO from CAUTHU
115
116 --Thuc thi khong duoc--
117 select CAUTHU.NGAYSINH from CAUTHU
118
119 UPDATE CAUTHU Set VITRI = N'Lum banh'
120 where MACT = 01
121
122 select * from HLV_CLB
123
124 select * from TINH

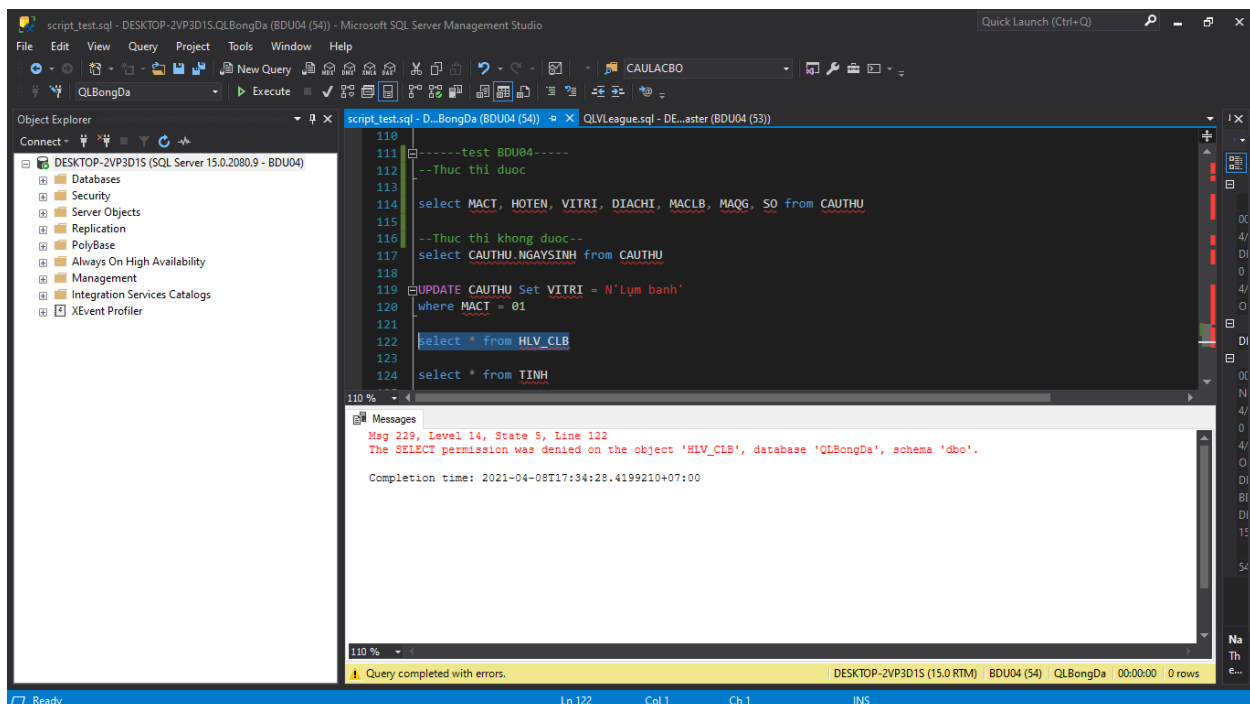
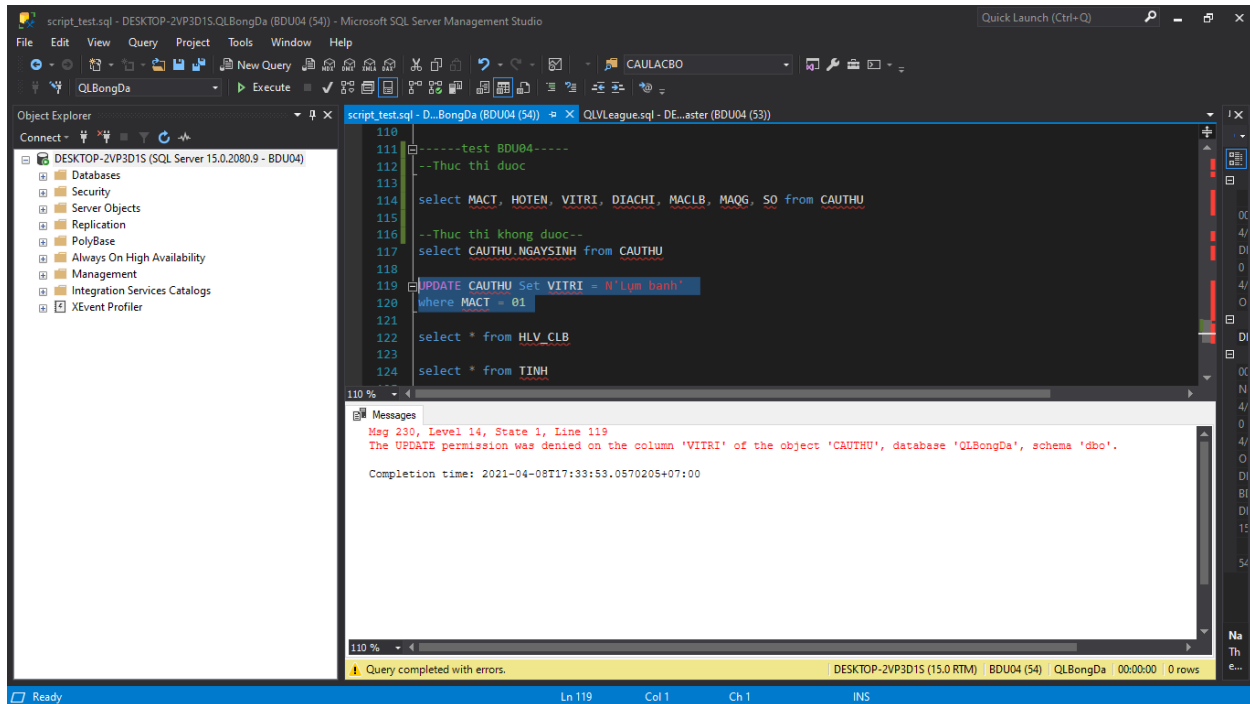
```

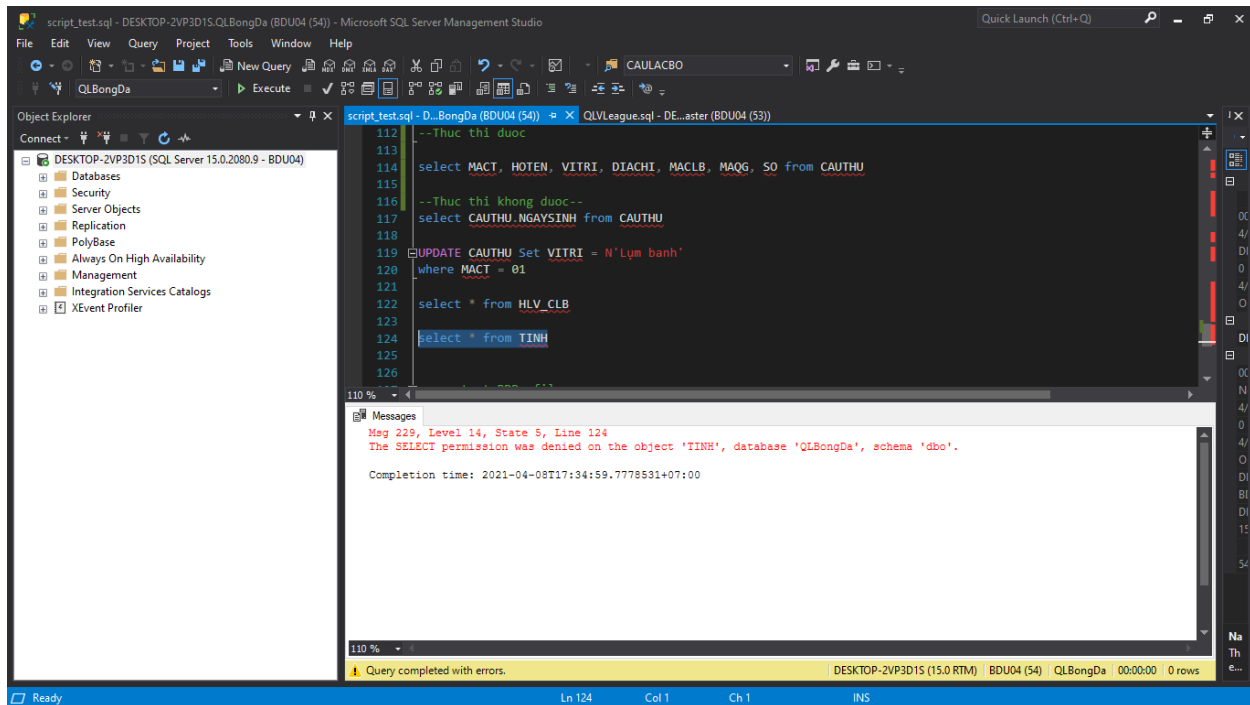
Messages:

Msg 230, Level 14, State 1, Line 117  
The SELECT permission was denied on the column 'NGAYSINH' of the object 'CAUTHU', database 'QLBongDa', schema 'dbo'.

Completion time: 2021-04-08T17:33:28.8228788+07:00

Status: DESKTOP-2VP3D1S (15.0 RTM) | BDU04 (54) | QLBongDa | 00:00:00 | 0 rows

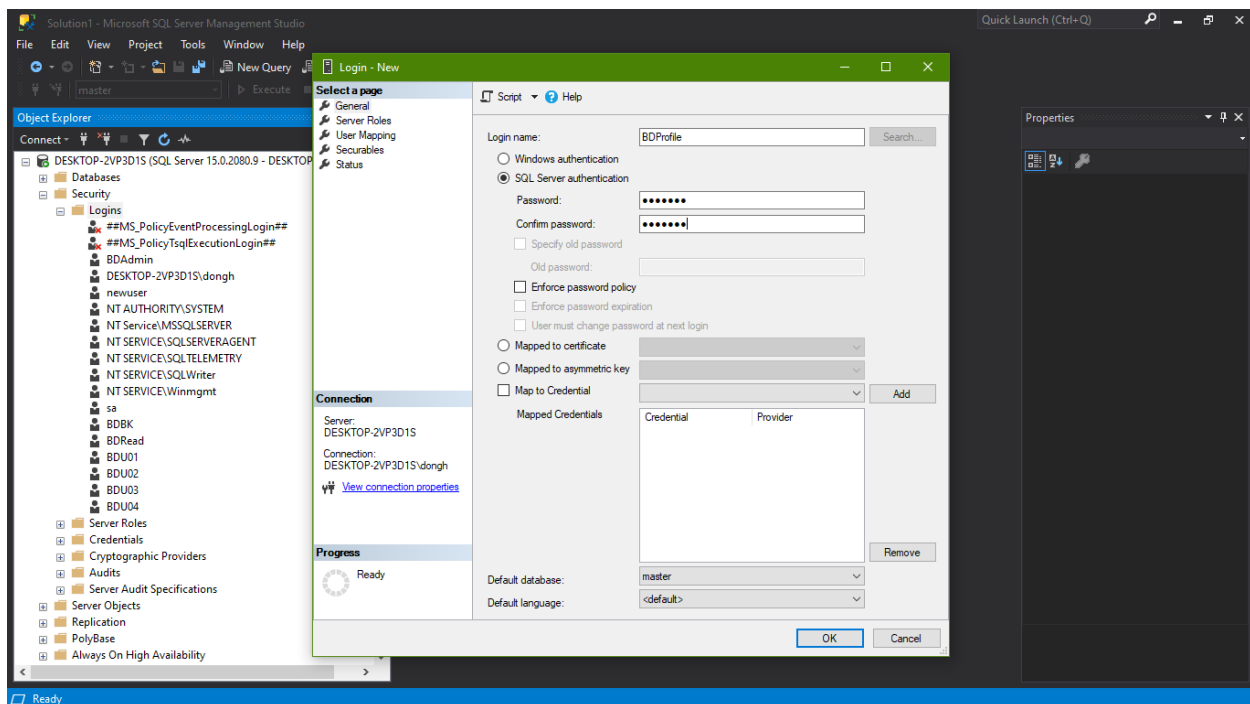




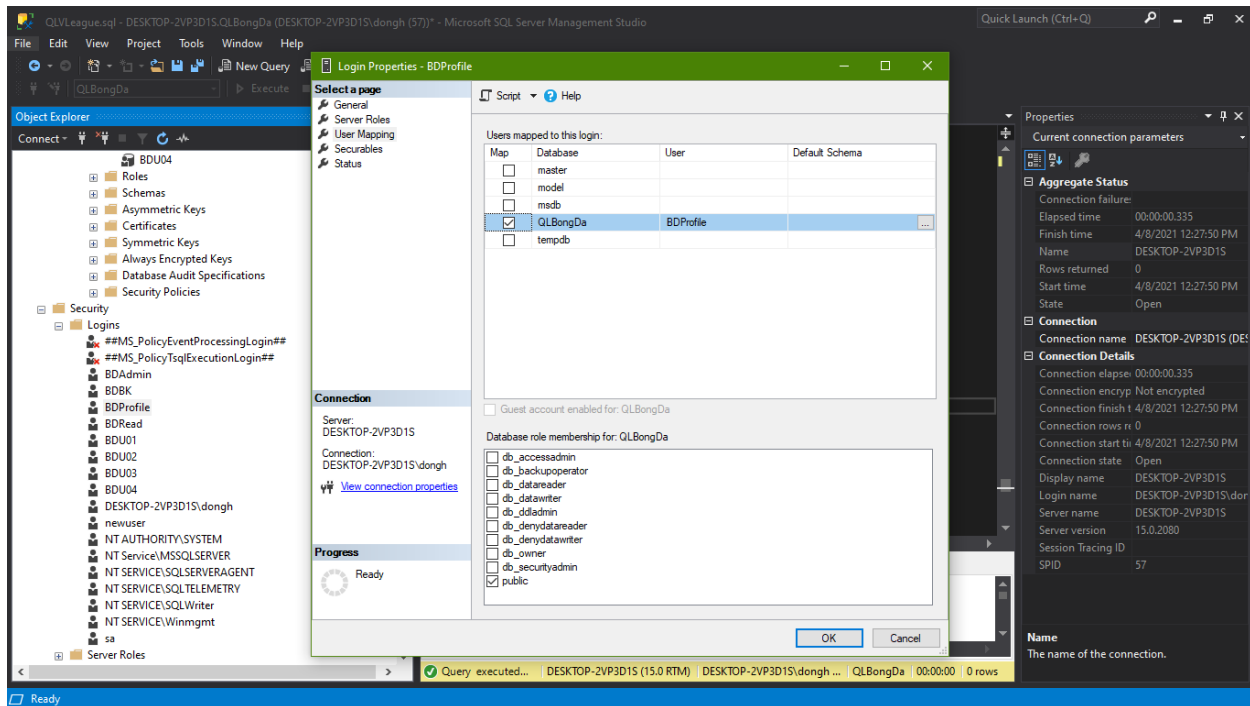
## H. BDProfile

### 1. Cài đặt

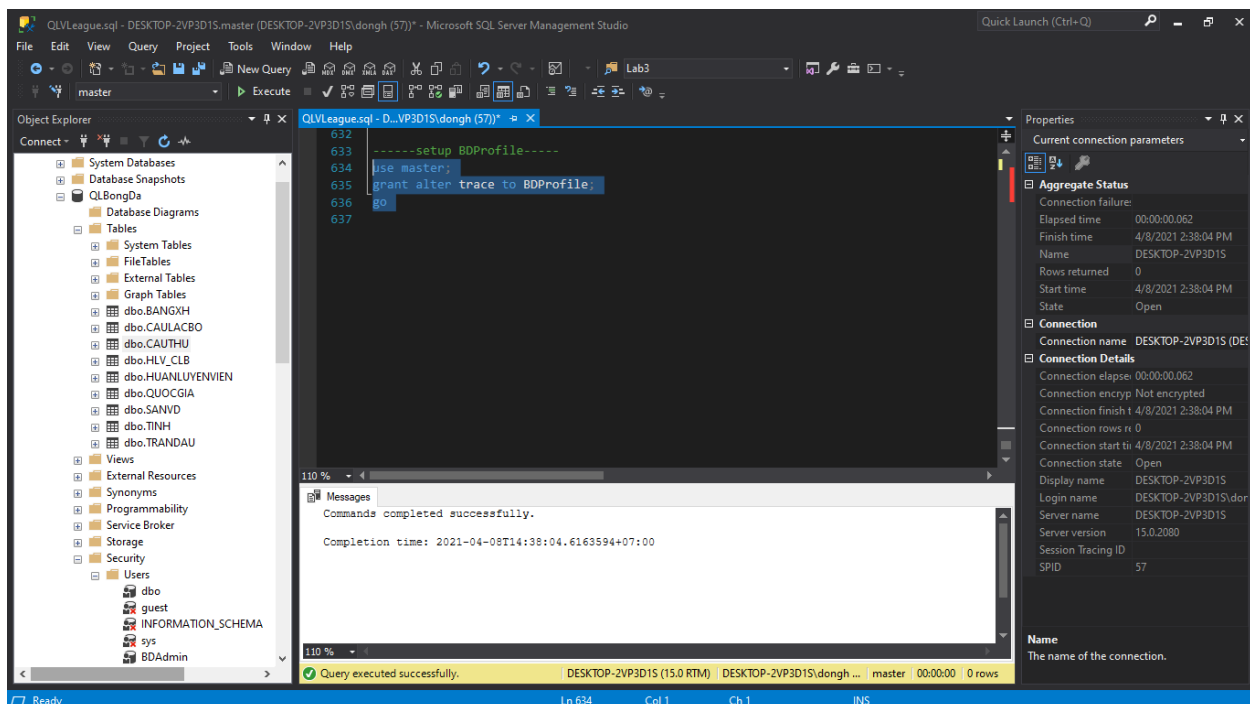
Bước 1: Tạo **user** mới với loại ủy quyền là **SQL Server Authentication**



Bước 2: Ở phần Logins **Propertis** => **User Mapping** map với database **QLBongDa** với role **public**



Bước 3: Chạy lệnh với mục đích grant alter trace cho user **BDProfile**



## 2. Kiểm tra

