



DIVISION OF
DIGITAL CONTENTS
DONGSEO UNIVERSITY

Database **Work with SSMS**

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April 23, 2019

Create Database

SQLQuery1.sql - DESKTOP-M0Q9EGC\SQLEXPRESS.master (sa (52))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

master Execute Debug

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL)

- Databases
- Security
- Server Objects
- Replication
- Management
- XEvent Profiler

SQLQuery1.sql - DESKTOP-M0Q9EGC\SQLEXPRESS.master (sa (52))*

```
create database Customer
```

146 %

Messages

Commands completed successfully.

146 %

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | master | 00:00:00 | 0 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:	
Elapsed time	00:00:00.353
Finish time	4/12/2019 10:30:25 P
Name	DESKTOP-M0Q9EGC
Rows returned	0
Start time	4/12/2019 10:30:24 P
State	Open

Connection

Connection name	DESKTOP-M0Q9EGC
-----------------	-----------------

Connection Details

Azure Active Direct	
Connection elapsed	00:00:00.353
Connection encrypt	Not encrypted
Connection finish t	4/12/2019 10:30:25 P
Connection rows re	0
Connection start ti	4/12/2019 10:30:24 P
Connection state	Open

Name

The name of the connection.

Ready Ln 2 Col 1 Ch 1 INS

SQLQuery1.sql - DESKTOP-M0Q9EGC\SQLEXPRESS.master (sa (52))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Execute Debug

Object Explorer

- Connect
- DESKTOP-M0Q9EGC
- msdb
- tempdb
- System Databases
- Customer
- Security
- Server Objects
- Replication
- Management
- XEvent Profiler

SQLQuery1.sql - DESKTOP-M0Q9EGC\SQLEXPRESS.master (sa (52))*

```
create database Customer
```

146 %

Messages

Commands completed successfully.

146 %

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | master | 00:00:00 | 0 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:	
Elapsed time	00:00:00.353
Finish time	4/12/2019 10:30:25 P
Name	DESKTOP-M0Q9EGC
Rows returned	0
Start time	4/12/2019 10:30:24 P
State	Open

Connection

Connection name	DESKTOP-M0Q9EGC
-----------------	-----------------

Connection Details

Azure Active Direct	
Connection elapsed	00:00:00.353
Connection encrypt	Not encrypted
Connection finish t	4/12/2019 10:30:25 P
Connection rows re	0
Connection start ti	4/12/2019 10:30:24 P
Connection state	Open

Name

The name of the connection.

Create Table with Sql

MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

Databases

System Databases

Customer

Security

Server Objects

Replication

Management

XEvent Profiler

SQLQuery create ta....Customer (sa (53)) SQLQuery4.sql - DE....Customer (sa (52))

```
create table MyUser
(
    loginName varchar(40),
    nickName varchar(40),
    age int,
    creationDate datetime
)
```

Properties

Current connection parameters

Aggregate Status

Connection failure	
Elapsed time	
Finish time	
Name	DESKTOP-M0Q9EGC
Rows returned	0
Start time	
State	Open

Connection

Connection name	DESKTOP-M0Q9EGC
-----------------	-----------------

Connection Details

Azure Active Direct	
Connection elapse	
Connection encryp	Not encrypted
Connection finish	
Connection rows r	0
Connection start ti	
Connection state	Open

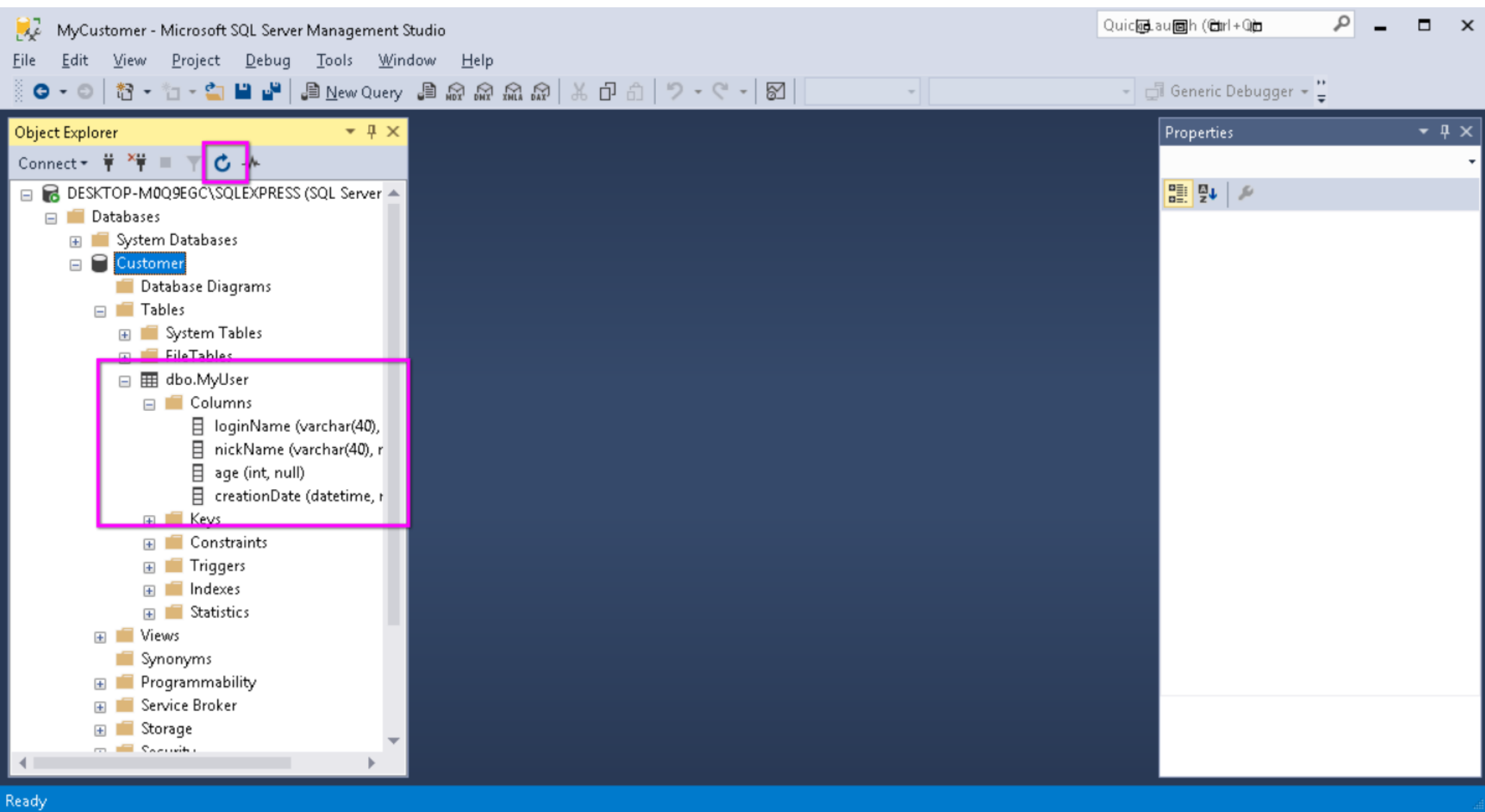
Name

The name of the connection.

146 %

Connected. (1/1) | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (53) | Customer | 00:00:00 | 0 rows

Ready Ln 7 Col 2 Ch 2 INS



MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server)
 - Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.MyUser
 - Columns
 - loginName (varchar(40),
 - nickName (varchar(40), r
 - age (int, null)
 - creationDate (datetime, r
 - Keys
 - Constraints
 - Triggers
 - Indexes
 - Statistics
 - Views
 - Synonyms
 - Programmability
 - Service Broker

SQLQuery: insert into Customer (sa (52))

```
insert into
    MyUser(loginName,nickName,age,creationDate)
values
    ('jintaeks','jintaeksNick',50,getdate())
```

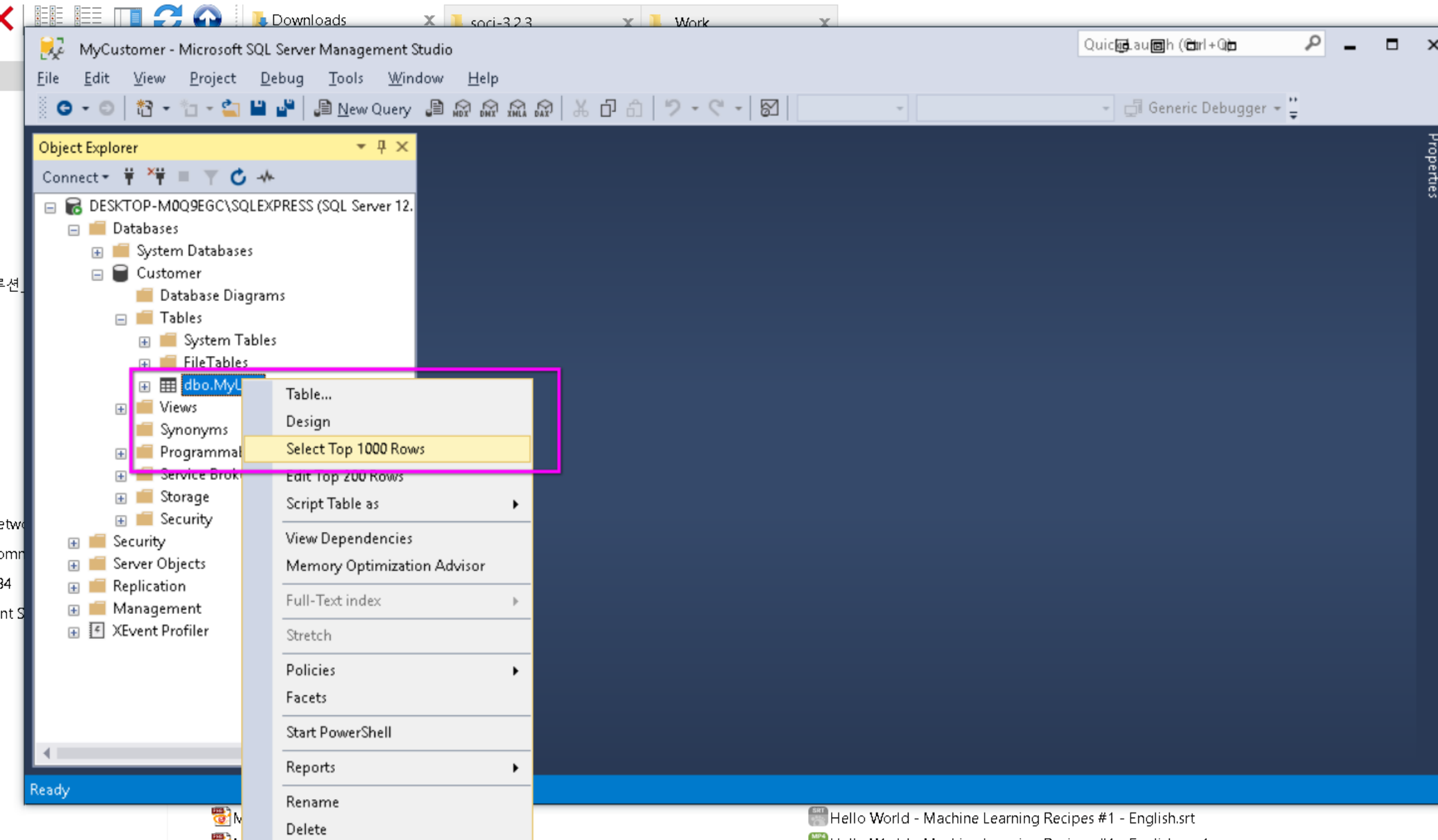
146 %

Connected. (1/1)

DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 0 rows

Matches:)

Ln 2 Col 5 Ch 2 INS



MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)
- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.MyUser
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

SQLQuery7.sql - DE...Customer (sa (52))

```
/*Script for SelectTopNRows command from SSMS */  
SELECT TOP (1000) [loginName]  
                , [nickName]  
                , [age]  
                , [creationDate]  
FROM [Customer].[dbo].[MyUser]
```

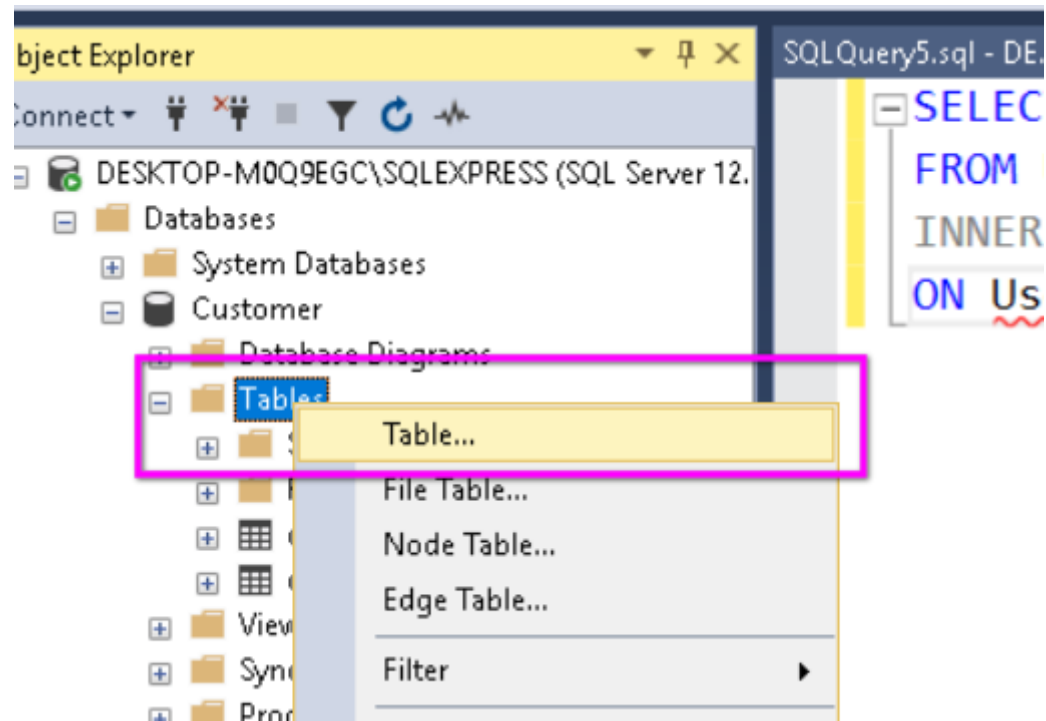
Results

	loginName	nickName	age	creationDate
1	jintaeks	jintaeksNick	50	2019-04-12 22:45:39,863

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 1 rows

Ready Ln 1 Col 1 Ch 1 INS

Create Table with IDE



DESKTOP-M0Q9EGC\SQLEXPRESS.Customer - dbo.Table_1* - Microsoft SQL Server Management Studio

File Edit View Project Debug Table Designer Tools Window Help

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.MyUser
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

DESKTOP-M0Q9EGC\...er - dbo.Table_1* SQLQuery5.sql - DE...Customer (sa (56))*

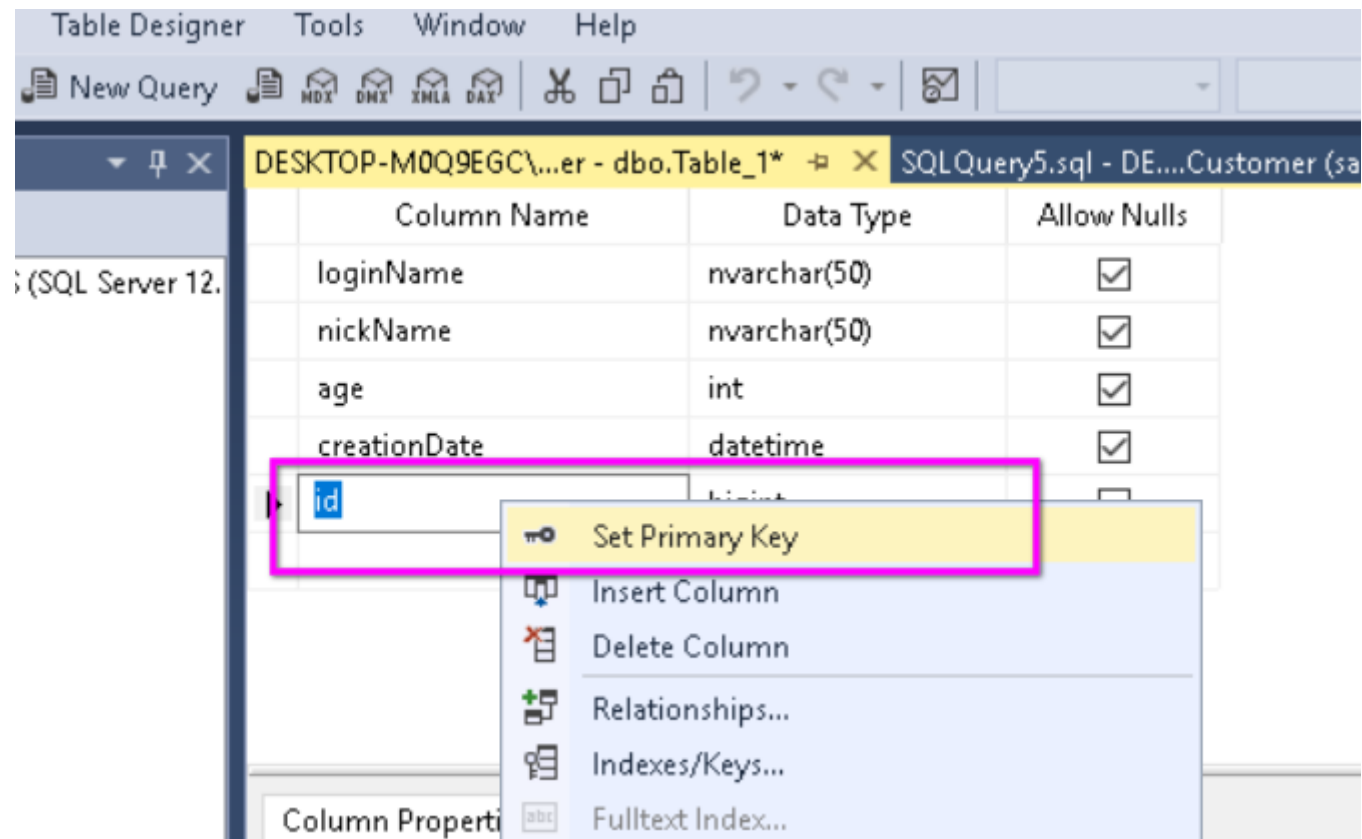
Column Name	Data Type	Allow Nulls
loginName	nvarchar(50)	<input checked="" type="checkbox"/>
nickName	nvarchar(50)	<input checked="" type="checkbox"/>
age	int	<input checked="" type="checkbox"/>
creationDate	datetime	<input checked="" type="checkbox"/>
id	bigint	<input type="checkbox"/>

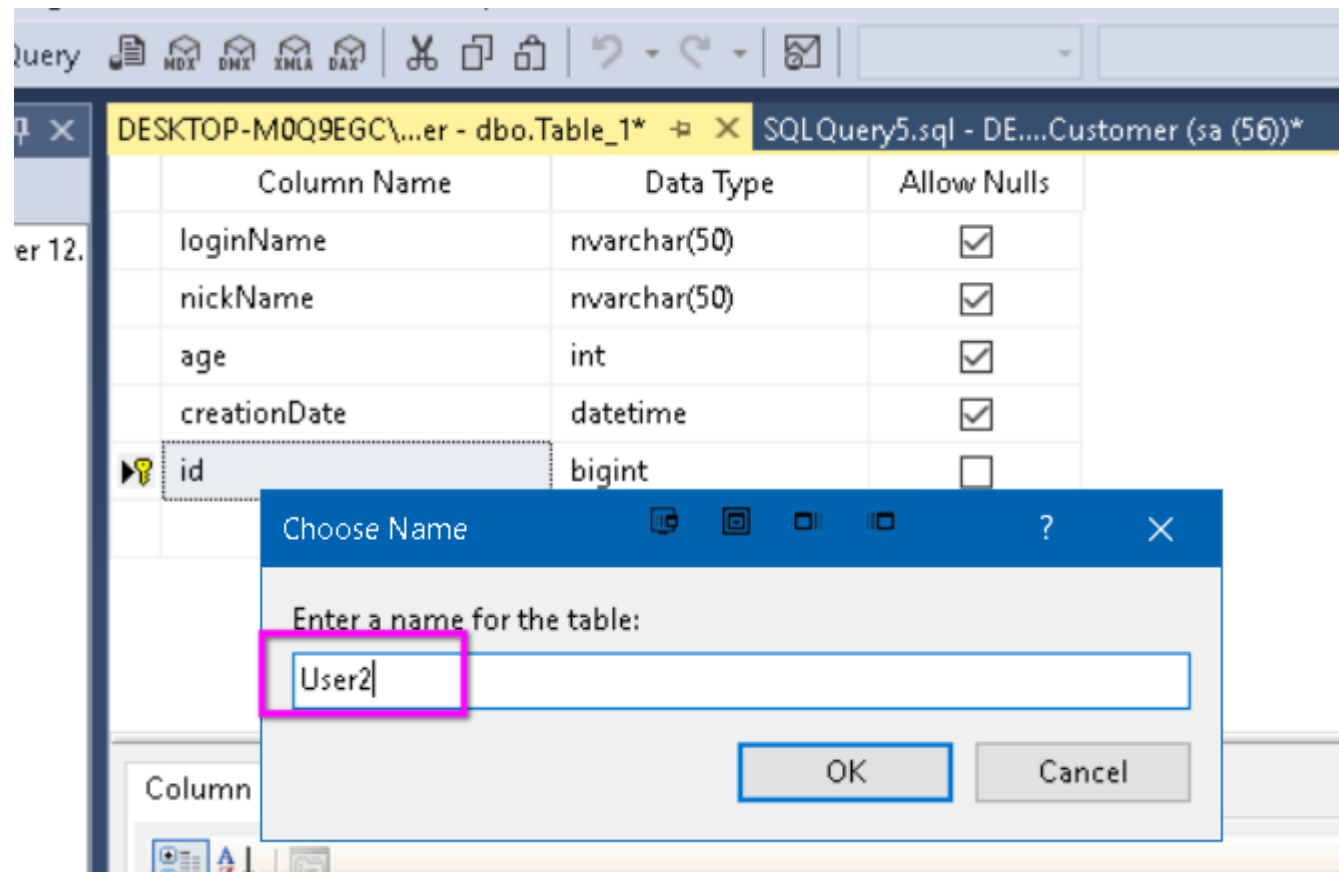
Column Properties

Identity Specification	Yes
(Is Identity)	Yes
Identity Increment	1
Identity Seed	1
Indexable	Yes
Is Columnset	No

(Is Identity)

Ready





DESKTOP-M0Q9EGC\SQLEXPRESS.Customer - dbo.Character* - Microsoft SQL Server Management Studio

File Edit View Project Debug Table Designer Tools Window Help

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character**
 - dbo.MyUser
 - dbo.User2
 - Views
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

DESKTOP-M0Q9EGC\SQLEXPRESS - dbo.Character* | DESKTOP-M0Q9EGC\SQLEXPRESS - dbo.User2

Column Name	Data Type	Allow Nulls
characterType	int	<input checked="" type="checkbox"/>
userId	bigint	<input type="checkbox"/>
		<input type="checkbox"/>

Column Properties

(General)






(Name)	userId
Allow Nulls	No
Data Type	bigint
Default Value or Binding	

Table Designer

(General)

Item(s) Saved

Object Explorer

Connect ▾     

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.My
 - dbo.User**
 - Views
 - Synonyms
 - Programm
 - Service Bro
 - Storage
 - Security
 - Security
 - Server Objects

Context menu for **dbo.User**:

- Table...
- Design
- Select Top 1000 Rows
- Edit Top 200 Rows**
- Script Table as ▶
- View Dependencies
- Memory Optimization Advisor
- Full-Text index ▶

SQLQuery5.sql - DE...Customer (sa (3

	loginName	nickName	age	creationDate	id
*	NULL	NULL	NULL	NULL	NL

DESKTOP-M0Q9EGC\SQLEXPRESS.Customer - dbo.User2 - Microsoft SQL Server Management Studio

File Edit View Project Debug Query Designer Tools Window Help

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.MyUser
 - dbo.User2
 - Views
 - Synonyms
 - Programmability
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 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

SQL Query Editor - DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0) - Customer (ss (56))*

	loginName	nickName	age	creationDate	id
	jintaeks	jintaeksNick	50	2019-04-21 00:00:00	1
	jintaeks2	jintaeks2Nick	50	2019-04-21 00:00:00	2
▶▶	NULL	NULL	NULL	NULL	NULL

3 of 3

Ready

DESKTOP-M0Q9EGC\SQLEXPRESS.Customer - dbo.Character - Microsoft SQL Server Management Studio

File Edit View Project Debug Query Designer Tools Window Help

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character**
 - dbo.MyUser
 - dbo.User2
 - Views
 - Synonyms
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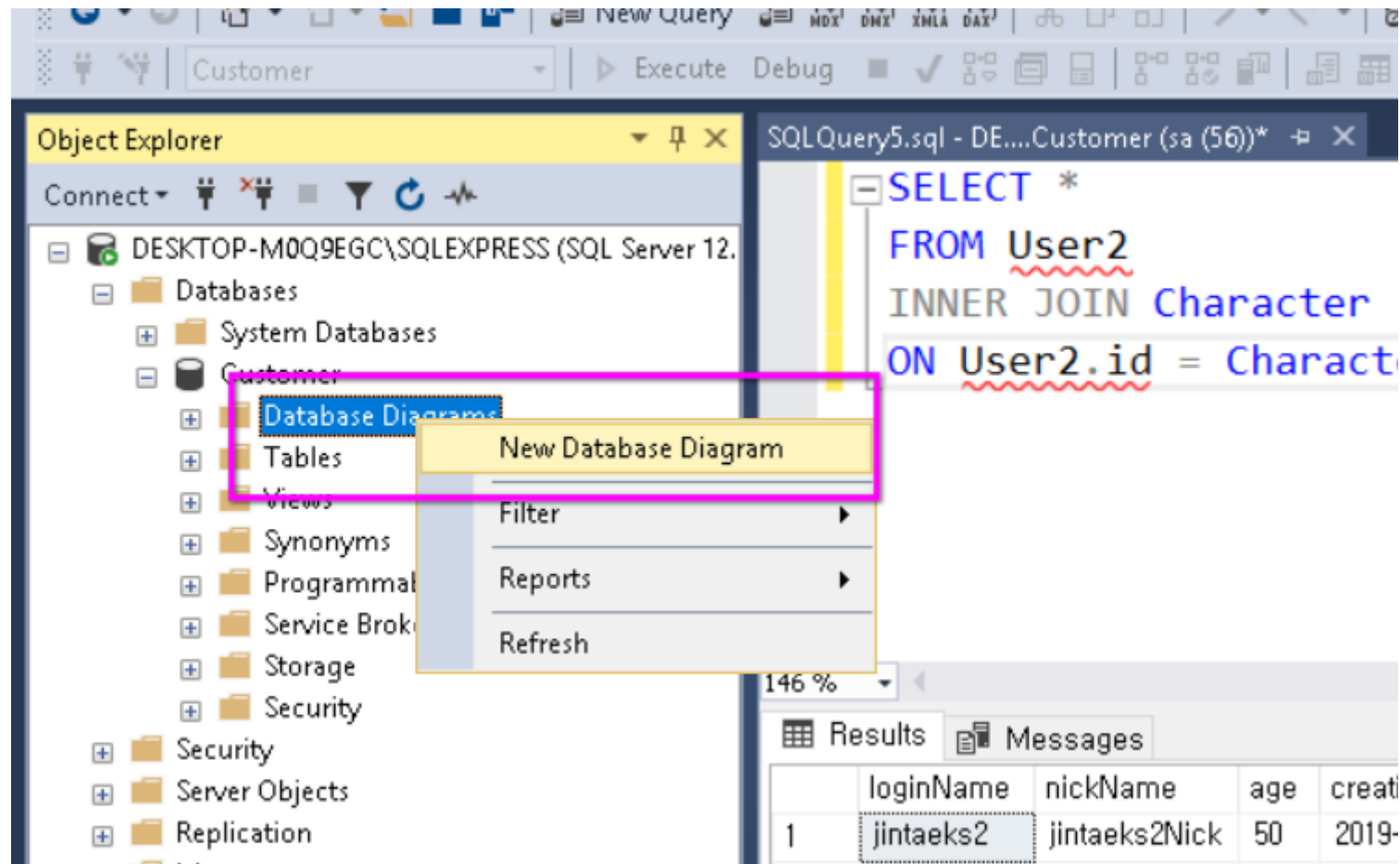
DESKTOP-M0Q9EGC\...r - dbo.Character

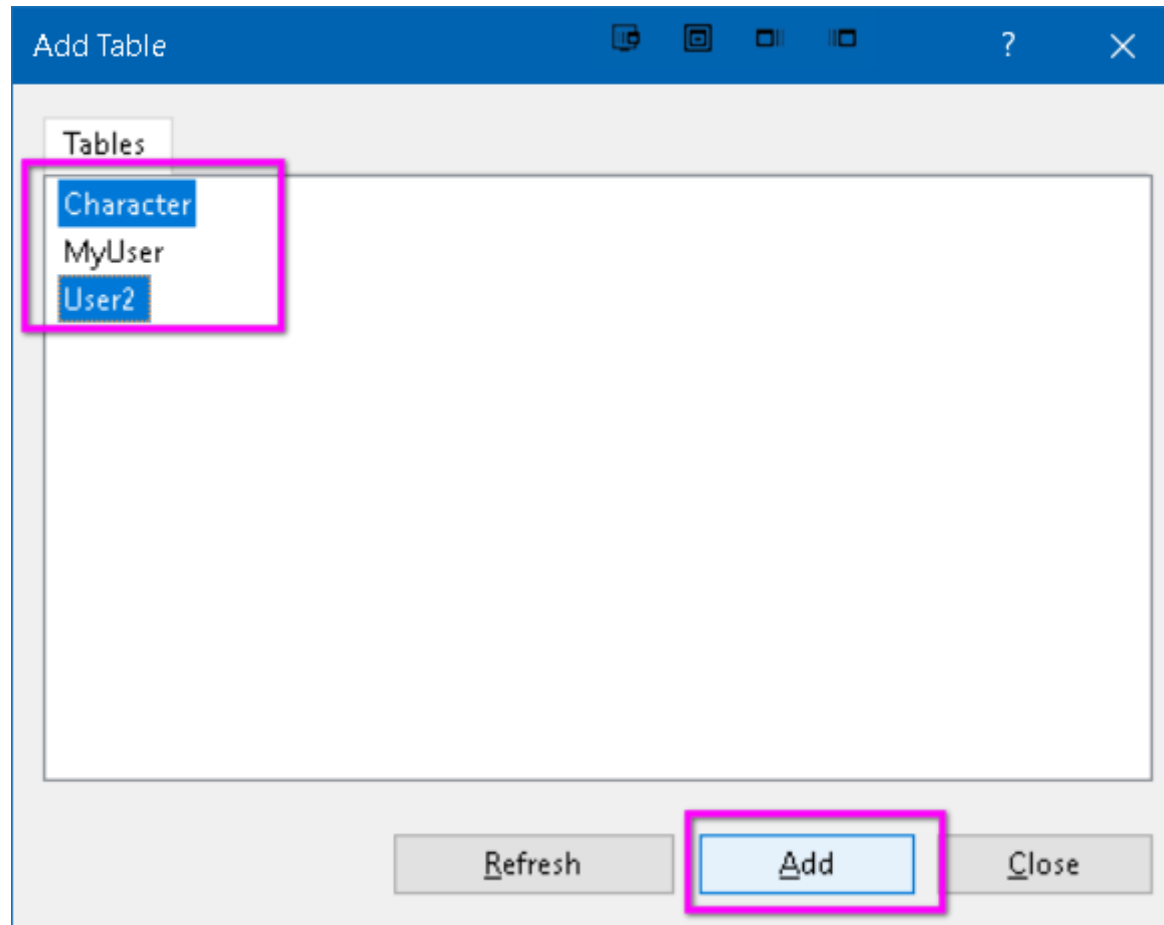
	characterType	userId
▶	1	2
	2	2
	1	1
*	NULL	NULL

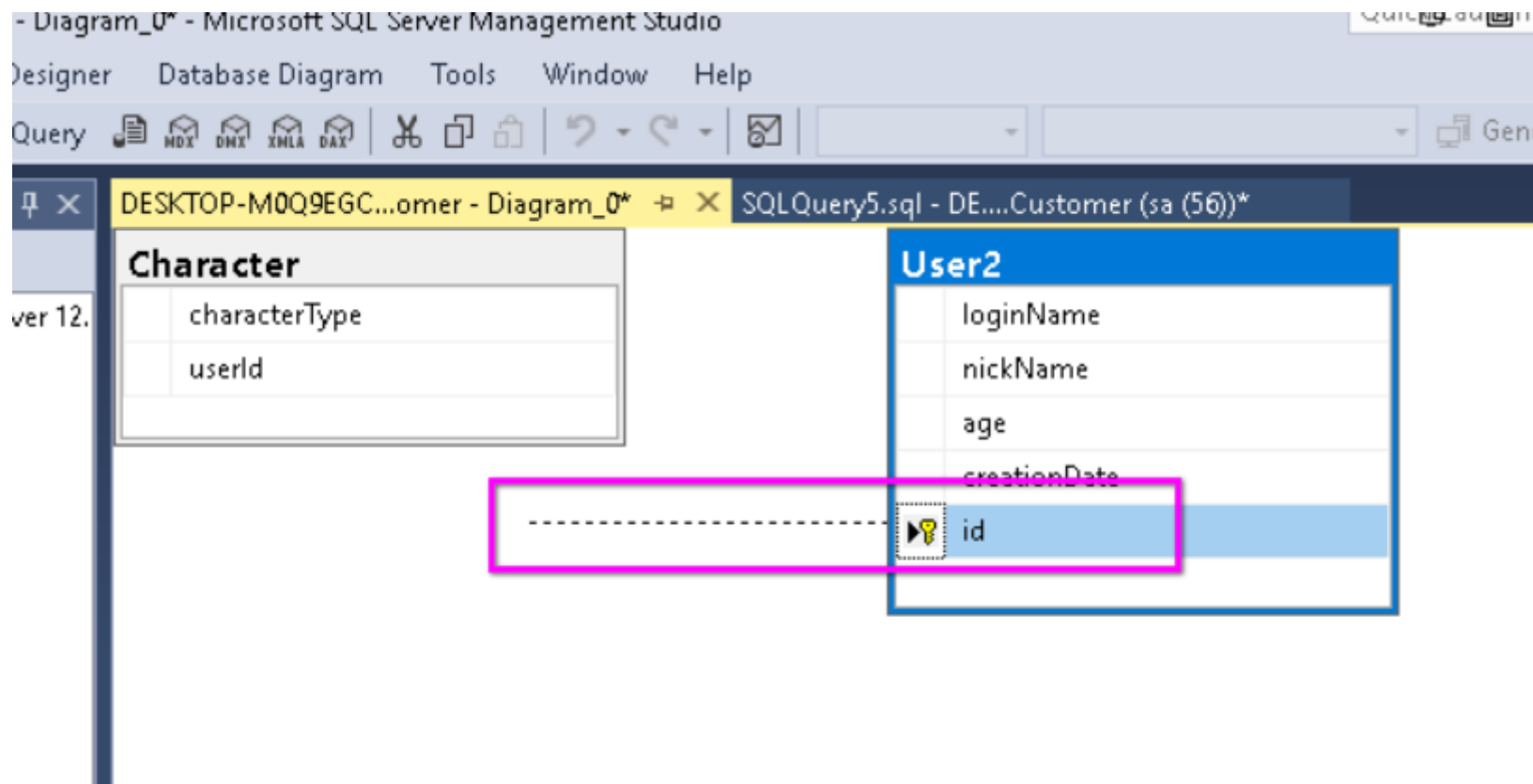
SQLQuery5.sql - DE....Customer (sa (56))*

Ready

Set Relationship







Tables and Columns

Relationship name:
FK_Character_User21

Primary key table:
User2
id

Foreign key table:
Character
userId

OK Cancel

DESKTOP-M0Q9EGC...omer - Diagram_0* X SQLQuery5.sql - D

Character *

characterType
userId

Use

Properties

[Rel] FK_Character_User21

General

Check Existing Data On Creation On Yes

Tables And Columns Specification

Database Designer

Enforce For Replication Yes

Enforce Foreign Key Constraint Yes

INSERT And UPDATE Specification

Delete Rule	Cascade
Update Rule	No Action

Identity

(Name)	FK_Character_User21
Description	

DESKTOP-M0Q9EGC\SQLEXPRESS.Customer - Diagram_0* - Microsoft SQL Server Management Studio

File Edit View Project Debug Table Designer Database Diagram Tools Window Help

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

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DESKTOP-M0Q9EGC...omer - Diagram_0* SQLQuery5.sql - DE....Customer (sa (56))*

Character *

characterType
userId

User2 *

loginName
nickName
age
creationDate
id

Ready

join test

SQLQuery5.sql - DESKTOP-M0Q9EGC\SQLEXPRESS.Customer (sa (56))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server 12.0)

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```
SELECT *  
FROM User2  
INNER JOIN Character  
ON User2.id = Character.userId
```

146 %

Results Messages

	loginName	nickName	age	creationDate	id	characterType	userId
1	jintaeks2	jintaeks2Nick	50	2019-04-21 00:00:00,000	2	1	2
2	jintaeks2	jintaeks2Nick	50	2019-04-21 00:00:00,000	2	2	2
3	jintaeks	jintaeksNick	50	2019-04-21 00:00:00,000	1	1	1

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (56) | Customer | 00:00:00 | 3 rows

Ready Ln 4 Col 15 Ch 15 INS

Create Stored Procedure

MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server)
 - Databases
 - System Databases
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 - Database Diagrams
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 - System Stored Procedures
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects

```
USE Customer;
GO
CREATE PROCEDURE dbo.spGetAllUser
AS
SET NOCOUNT ON;
SELECT [loginName]
, [nickName]
, [age]
, [creationDate]
FROM [Customer].[dbo].[MyUser]
GO
```

146 %

Messages

Commands completed successfully.

146 %

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 0 rows

Ready Ln 12 Col 1 Ch 1 INS

MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- Connect
- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server)
 - Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures**
 - System
 - Functions
 - Database Triggers
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 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage
 - Security
 - Server Objects

SQLQuery7.sql - DE...Customer (sa (52))*

```
USE Customer;
GO
CREATE PROCEDURE dbo.spGetAllUser
AS
SET NOCOUNT ON;
SELECT [loginName]
,[nickName]
,[age]
,[creationDate]
[Customer].[dbo].[MyUser]
```

Messages

Commands completed successfully.

146 %

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 0 rows

MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server)
 - Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - dbo.spGetAllUser
 - System Stored Procedures
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage
 - Security

SQLQuery create st...Customer (sa (52))

```
USE Customer;
GO
CREATE PROCEDURE dbo.spGetAllUser
AS
    SET NOCOUNT ON;
    SELECT [loginName]
           ,[nickName]
           ,[age]
           ,[creationDate]
    FROM [Customer].[dbo].[MyUser]
GO
```

146 %

Messages

Commands completed successfully.

146 %

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 0 rows

Ready Ln 12 Col 1 Ch 1 INS

MyCustomer - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

- DESKTOP-M0Q9EGC\SQLEXPRESS (SQL Server)
 - Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - System Stored Procedures
 - dbo.spGetAllUser
 - dbo.spUpdateAge**
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage
 - Security

SQL Query Editor

```
USE Customer;
GO
CREATE PROCEDURE dbo.spUpdateAge
    @loginName varchar(40),
    @age int
AS
    Update MyUser
    Set age = @age
    Where loginName = @loginName
GO
```

Messages

Commands completed successfully.

Query executed successfully. | DESKTOP-M0Q9EGC\SQLEXPRESS ... | sa (52) | Customer | 00:00:00 | 0 rows

Ready Ln 11 Col 1 Ch 1 INS

SQLQuery1.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (53)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - System Stored Procedures
 - dbo.spEcho
 - dbo.spEcho2
 - dbo.spGetAllUser
 - dbo.spUpdateAge
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage
 - Security
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

SQLQuery1.sql - JIN...Customer (sa (53))

```

1 USE [Customer]
2 GO
3 /***** Object: StoredProcedure [dbo].[spEcho]    Script Date: 4/17/2019 7:25:
4 SET ANSI_NULLS ON
5 GO
6 SET QUOTED_IDENTIFIER ON
7 GO
8 ALTER PROCEDURE [dbo].[spEcho]
9     @param1 varchar(20) OUTPUT,
10    @param2 varchar(20)
11 AS
12     select @param1 = @param2
13
14

```

Properties

Current connection parameters

Aggregate Status

Connection failure:	
Elapsed time	
Finish time	
Name	JINTAEKS2-PC\SQLEXPRESS
Rows returned	0
Start time	
State	Open

Connection

Connection name	JINTAEKS2-PC\SQLEXPRESS
-----------------	-------------------------

Connection Details

Azure Active Direct	
Connection elapsed	
Connection encrypt	Not encrypted
Connection finish t	
Connection rows re	0
Connection start ti	
Connection state	Open
Display name	JINTAEKS2-PC\SQLEXPRESS
Login name	sa
Server name	JINTAEKS2-PC\SQLEXPRESS
Server version	12.0.2000
Session Tracing ID	
SPID	53

Name

The name of the connection.

100 %

Connected. (1/1) JINTAEKS2-PC\SQLEXPRESS (12... sa (53) Customer 00:00:00 0 rows

Ready Ln 1 Col 1 Ch 1 INS

SQLQuery2.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (55)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
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 - Synonyms
 - Programmability
 - Stored Procedures
 - System Stored Procedures
 - dbo.spEcho
 - dbo.spEcho2**
 - dbo.spGetAllUser
 - dbo.spUpdateAge
 - Functions
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 - Service Broker
 - Storage
 - Security
 - Server Objects
 - Replication
 - Management
 - XEvent Profiler

SQLQuery2.sql - JIN....Customer (sa (55)) SQLQuery1.sql - JIN....Customer (sa (53))

```

1 USE [Customer]
2 GO
3 /***** Object: StoredProcedure [dbo].[spEcho2]    Script Date: 4/17/2019 7:27
4 SET ANSI_NULLS ON
5 GO
6 SET QUOTED_IDENTIFIER ON
7 GO
8 ALTER PROCEDURE [dbo].[spEcho2]
9     @param1 varchar(20) OUTPUT
10 AS
11     UPDATE MyUser
12     SET age = age + 1
13     WHERE loginName = @param1
14

```

Properties

Current connection parameters

Aggregate Status

Connection failure:	
Elapsed time	
Finish time	
Name	JINTAEKS2-PC\SQLEXPRESS
Rows returned	0
Start time	
State	Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct	
Connection elapsed	
Connection encrypt	Not encrypted
Connection finish t	
Connection rows re	0
Connection start ti	
Connection state	Open
Display name	JINTAEKS2-PC\SQLEXPRESS
Login name	sa
Server name	JINTAEKS2-PC\SQLEXPRESS
Server version	12.0.2000
Session Tracing ID	
SPID	55

Name

The name of the connection.

100 %

Connected. (1/1) JINTAEKS2-PC\SQLEXPRESS (12... sa (55) Customer 00:00:00 0 rows

Ready Ln 1 Col 1 Ch 1 INS

Ex) CreateUser()

SQLQuery5.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (55)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
 - System Databases
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 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.MyUser
 - dbo.User2
 - Views
 - Synonyms
 - Programmable Objects
 - Stored Procedures
 - System Functions
 - dbo.sfn
 - dbo.sfn2
 - dbo.sfn3
 - dbo.sfn4
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage

SQLQuery5.sql - JIN....Customer (sa (55))

```
1 /***** Script for SelectTopNRows command from SSMS
2 SELECT TOP (1000) [loginName]
3     ,[nickName]
4     ,[age]
5     ,[creationDate]
6     ,[id]
7 FROM [Customer].[dbo].[User2]
```

Results

loginName	nickName	age	creationDate	id
jintaeks	jintaeksNick	50	2019-04-23 00:00:00,000	1
jintaeks2	jintaeks2Nick	50	2019-04-23 00:00:00,000	2

SQLQuery CreateUser.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (51))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

Databases

System Databases

Customer

Database Diagrams

Tables

System Tables

FileTables

dbo.Character

dbo.MyUser

dbo.User2

Views

Synonyms

Programmability

Stored Procedures

System Stored Procedures

dbo.CreateUser

dbo.spEcho

dbo.spEcho2

dbo.spGetAllUser

dbo.spUpdateAge

Functions

Database Triggers

Assemblies

Types

Rules

Defaults

Sequences

Service Broker

Storage

SQLQuery CreateUser.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (51))*

```

1 Use Customer
2 Go
3 Create Procedure dbo.CreateUser
4     @loginName varchar(50),
5     @id bigint OUTPUT
6 As
7     Set NOCOUNT On;
8     if EXISTS (SELECT * From User2 Where loginName = @loginName)
9     begin
10         Select id from User2 Where loginName = @loginName;
11     end
12 else
13     begin
14         Insert into User2(loginName, creationDate)
15             values (@loginName, getdate());
16         Select @id = id from User2 Where loginName = @loginName;
17     end

```

100 %

Messages

Commands completed successfully.

100 %

Query executed successfully. JINTAEKS2-PC\SQLEXPRESS (12... sa (51) Customer 00:00:00 0 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time 00:00:00.013

Finish time 4/23/2019 3:17:48 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 0

Start time 4/23/2019 3:17:48 PM

State Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct

Connection elapsed 00:00:00.013

Connection encrypt Not encrypted

Connection finish time 4/23/2019 3:17:48 PM

Connection rows returned 0

Connection start time 4/23/2019 3:17:48 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 51

Name

The name of the connection.

Ready Ln 3 Col 7 Ch 7 INS

SQLQuery CreateUser.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (51)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

Databases

System Databases

Customer

Database Diagrams

Tables

System Tables

FileTables

dbo.Character

dbo.MyUser

dbo.User2

Views

Synonyms

Programmability

Stored Procedures

System Stored Procedures

dbo.CreateUser

dbo.spEcho

dbo.spEcho2

dbo.spGetAllUser

dbo.spUpdateAge

Functions

Database Triggers

Assemblies

Types

Rules

Defaults

Sequences

Service Broker

Storage

SQLQuery7.sql - JIN...Customer (sa (56))

SQLQuery6.sql - JIN...Customer (sa (55))

SQLQuery CreateUse...Customer (sa (51))

```

1 Use Customer
2 Go
3 Alter Procedure dbo.CreateUser
4     @loginName varchar(50),
5     @id bigint OUTPUT
6 As
7     Set NOCOUNT On;
8     if EXISTS (SELECT * From User2 Where loginName = @loginName)
9     begin
10         Select id from User2 Where loginName = @loginName;
11         Return 0 -- return false, loginName is already exist
12     end
13     else
14     begin
15         Insert into User2(loginName, creationDate)
16             values (@loginName, getdate());
17         Select @id = id from User2 Where loginName = @loginName;
18         Return 1 -- return true, loginName is created
19     end

```

100 %

Messages

Commands completed successfully.

100 %

Query executed successfully. | JINTAEKS2-PC\SQLEXPRESS (12... | sa (51) | Customer | 00:00:00 | 0 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time 00:00:00.014

Finish time 4/23/2019 3:24:53 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 0

Start time 4/23/2019 3:24:53 PM

State Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct

Connection elapsed 00:00:00.014

Connection encrypt Not encrypted

Connection finish time 4/23/2019 3:24:53 PM

Connection rows returned 0

Connection start time 4/23/2019 3:24:53 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 51

Name

The name of the connection.

Ready

Ln 18 Col 54 Ch 54 INS

SQLQuery CreateUser.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (51))* - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.MyUser
 - dbo.User2
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - System Stored Procedures
 - dbo.CreateUser
 - dbo.spEcho
 - dbo.spEcho
 - dbo.spGetAll
 - dbo.spUpdate
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage

SQLQuery CreateUser...Customer (sa (51))* SQLQuery join test.....Customer (sa (54))

```
1 Use Customer
2 Go
3 Create Procedure dbo.CreateUser
4     @loginName varchar(50),
5     @id bigint OUTPUT
6 As
7     Set NOCOUNT On;
8     if EXISTS (SELECT * From User2 Where loginName = @loginName)
9     begin
10         Select id from User2 Where loginName = @loginName;
11     end
12 else
13     begin
14         Insert into User2(loginName, creationDate)
15             values (@loginName, getdate());
16         Select @id = id from User2 Where loginName = @loginName;
17     end
```

Stored Procedure...
Modify
Execute Stored Procedure...
Script Stored Procedure as
View Dependencies
Native Compilation Advisor
Policies
Facets
Start PowerShell
Reports
Rename

Completed successfully.

Completed successfully.

JINTAEKS2-PC\SQLEXPRESS (12... sa (51) Customer 00:00:00 0 rows

Execute Procedure - [dbo].[CreateUser]

Select a page

General

Script Help

Parameter	Data Type	Output Parameter	Pass Null Value	Value
@loginName	varchar(50)	No	<input type="checkbox"/>	jintaeks2
@id	bigint	Yes	<input type="checkbox"/>	

Connection

Server:
JINTAEKS2-PC\SQLEXPRESS

Connection:
sa

[View connection properties](#)

Progress

Ready

OK Cancel

SQLQuery8.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (57)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

Databases

System Databases

Customer

Database Diagrams

Tables

System Tables

FileTables

dbo.Character

dbo.MyUser

dbo.User2

Views

Synonyms

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Stored Procedures

System Stored Procedures

dbo.CreateUser

dbo.spEcho

dbo.spEcho2

dbo.spGetAllUser

dbo.spUpdateAge

Functions

Database Triggers

Assemblies

Types

Rules

Defaults

Sequences

Service Broker

Storage

SQLQuery8.sql - JIN....Customer (sa (57))

```

1 USE [Customer]
2 GO
3
4 DECLARE @return_value int,
5         @id bigint
6
7 EXEC     @return_value = [dbo].[CreateUser]
8         @loginName = N'jintaeks2',
9         @id = @id OUTPUT
10
11 SELECT  @id as N'id'
12
13 SELECT  'Return Value' = @return_value

```

Results

	id
1	2

	@id
1	NULL

	Return Value
1	0

Messages

Query executed successfully.

JINTAEKS2-PC\SQLEXPRESS (12... | sa (57) | Customer | 00:00:00 | 3 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time 00:00:00.322

Finish time 4/23/2019 3:25:54 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 3

Start time 4/23/2019 3:25:54 PM

State Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct

Connection elapsed 00:00:00.322

Connection encrypt Not encrypted

Connection finish time 4/23/2019 3:25:54 PM

Connection rows returned 3

Connection start time 4/23/2019 3:25:54 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 57

Name

The name of the connection.

Execute Procedure - [dbo].[CreateUser]

Select a page

General

Script Help

Parameter	Data Type	Output Parameter	Pass Null Value	Value
@loginName	varchar(50)	No	<input type="checkbox"/>	jintaeks3
@id	bigint	Yes	<input type="checkbox"/>	

Connection

Server:
JINTAEKS2-PC\SQLEXPRESS

Connection:
sa

[View connection properties](#)

Progress

Ready

OK Cancel

SQLQuery9.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (58)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

Databases

System Databases

Customer

Database Diagrams

Tables

System Tables

FileTables

dbo.Character

dbo.MyUser

dbo.User2

Views

Synonyms

Programmability

Stored Procedures

System Stored Procedures

dbo.CreateUser

dbo.spEcho

dbo.spEcho2

dbo.spGetAllUser

dbo.spUpdateAge

Functions

Database Triggers

Assemblies

Types

Rules

Defaults

Sequences

Service Broker

Storage

SQLQuery9.sql - JIN....Customer (sa (58))

```
1 USE [Customer]
2 GO
3
4 DECLARE @return_value int,
5         @id bigint
6
7 EXEC @return_value = [dbo].[CreateUser]
8     @loginName = N'jintaeks3',
9     @id = @id OUTPUT
10
11 SELECT @id as N'id'
12
13 SELECT 'Return Value' = @return_value
```

Results

	@id
1	3

Return Value

	Return Value
1	1

Messages

Query executed successfully. JINTAEKS2-PC\SQLEXPRESS (12... sa (58) Customer 00:00:00 2 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time 00:00:00.269

Finish time 4/23/2019 3:26:52 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 2

Start time 4/23/2019 3:26:52 PM

State Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct

Connection elapsed 00:00:00.269

Connection encrypt Not encrypted

Connection finish time 4/23/2019 3:26:52 PM

Connection rows returned 2

Connection start time 4/23/2019 3:26:52 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 58

Name

The name of the connection.

SQLQuery10.sql - JINTAEKS2-PC\SQLEXPRESS.Customer (sa (52)) - Microsoft SQL Server Management Studio

File Edit View Query Project Debug Tools Window Help

Customer Execute Debug

Object Explorer

Connect

JINTAEKS2-PC\SQLEXPRESS (SQL Server 12.0.2000 - sa)

- Databases
 - System Databases
 - Customer
 - Database Diagrams
 - Tables
 - System Tables
 - FileTables
 - dbo.Character
 - dbo.MyUser
 - dbo.User2**
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - System Stored Procedures
 - dbo.CreateUser
 - dbo.spEcho
 - dbo.spEcho2
 - dbo.spGetAllUser
 - dbo.spUpdateAge
 - Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker
 - Storage

SQLQuery10.sql - JI...Customer (sa (52))

```
1 /***** Script for SelectTopNRows command from SSMS *****/
2 SELECT TOP (1000) [loginName]
3     ,[nickName]
4     ,[age]
5     ,[creationDate]
6     ,[id]
7 FROM [Customer].[dbo].[User2]
```

Results

	loginName	nickName	age	creationDate	id
1	jintaeks	jintaeksNick	50	2019-04-23 00:00:00,000	1
2	jintaeks2	jintaeks2Nick	50	2019-04-23 00:00:00,000	2
3	jintaeks3	NULL	NULL	2019-04-23 15:26:52,167	3

Messages

Query executed successfully. JINTAEKS2-PC\SQLEXPRESS (12... sa (52) Customer 00:00:00 3 rows

Properties

Current connection parameters

Aggregate Status

Connection failure:

Elapsed time 00:00:00.045

Finish time 4/23/2019 3:28:06 PM

Name JINTAEKS2-PC\SQLEXPRESS

Rows returned 3

Start time 4/23/2019 3:28:06 PM

State Open

Connection

Connection name JINTAEKS2-PC\SQLEXPRESS

Connection Details

Azure Active Direct

Connection elapsed 00:00:00.045

Connection encrypt Not encrypted

Connection finish time 4/23/2019 3:28:06 PM

Connection rows returned 3

Connection start time 4/23/2019 3:28:06 PM

Connection state Open

Display name JINTAEKS2-PC\SQLEXPRESS

Login name sa

Server name JINTAEKS2-PC\SQLEXPRESS

Server version 12.0.2000

Session Tracing ID

SPID 52

Name

The name of the connection.

QnA

MY **BRIGHT** FUTURE

DSU Dongseo University
동서대학교