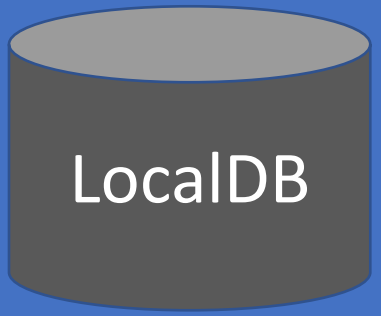
Enhancing the Blog Website by Connecting to a DB

- Reviewing high-level changes and additions
- Creating a database in Visual Studio 2017
- Setting up a project to connect to the database using LocalDB
- Creating the necessary structure in the database
- Populating the database with some test data

Blog application

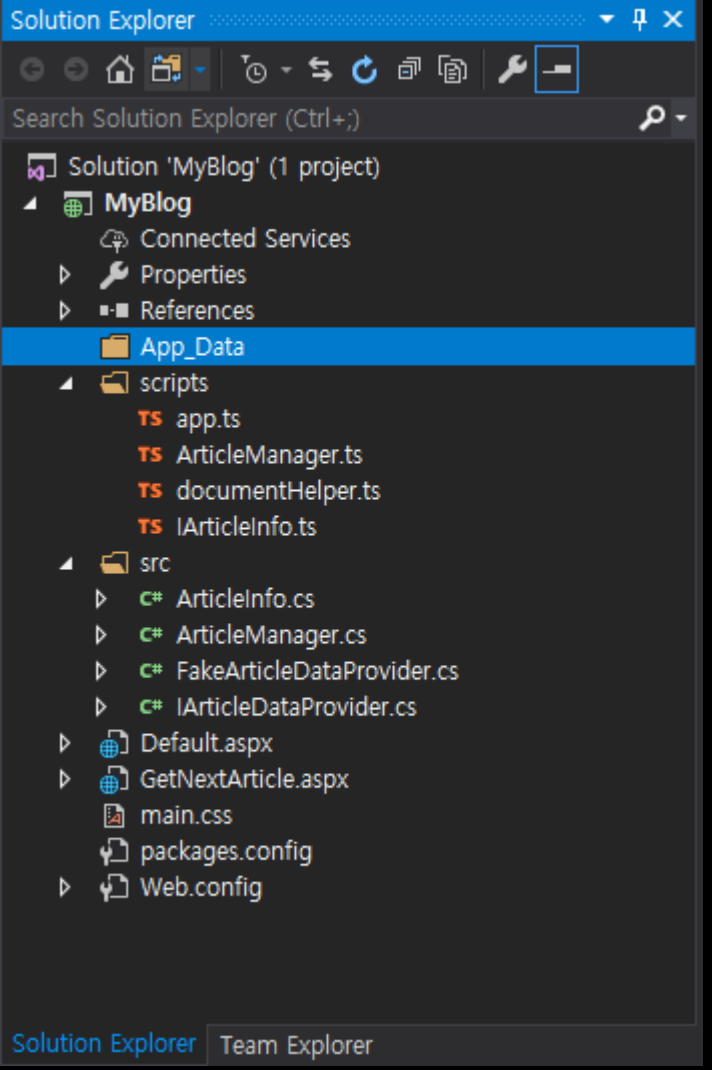
Client : Written in TypeScript, HTML,and CSS.
Asks server for blog articles

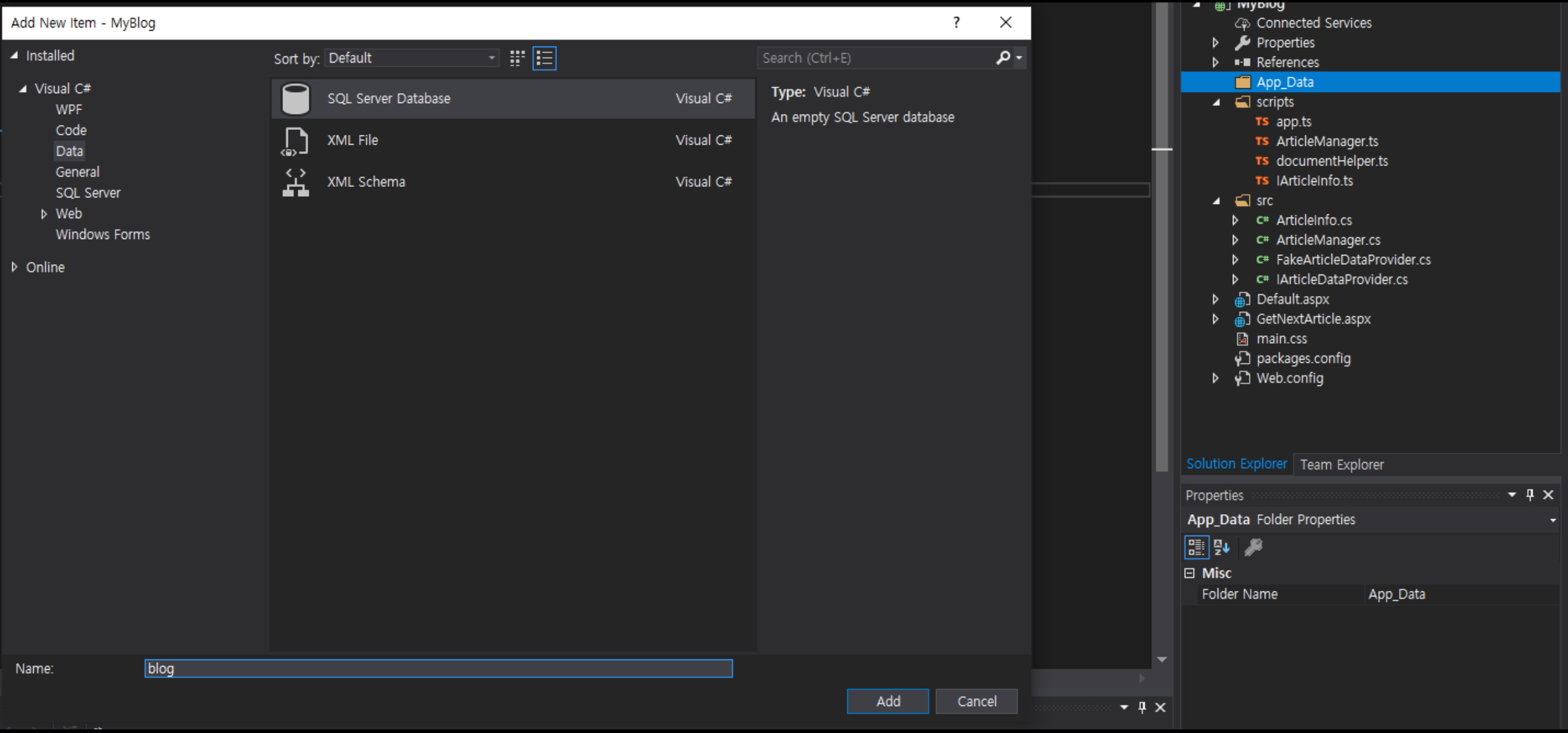
Server :
-Written in C#
Using ASP.NET.
-Stores articles
-Handles requests

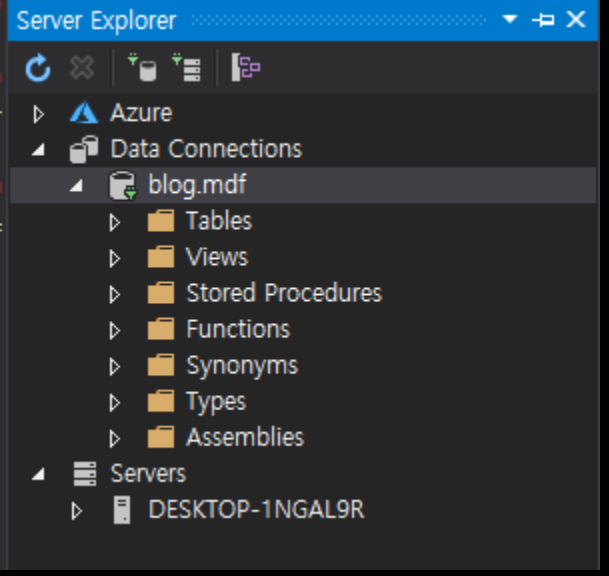


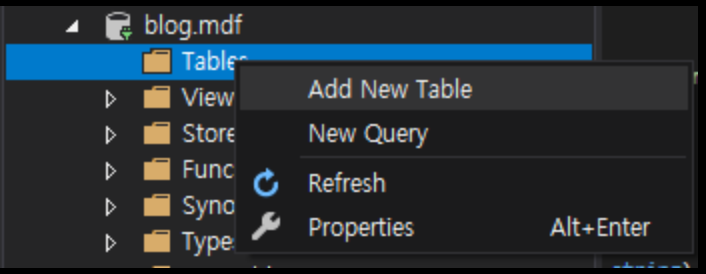
Authentication
:using web form

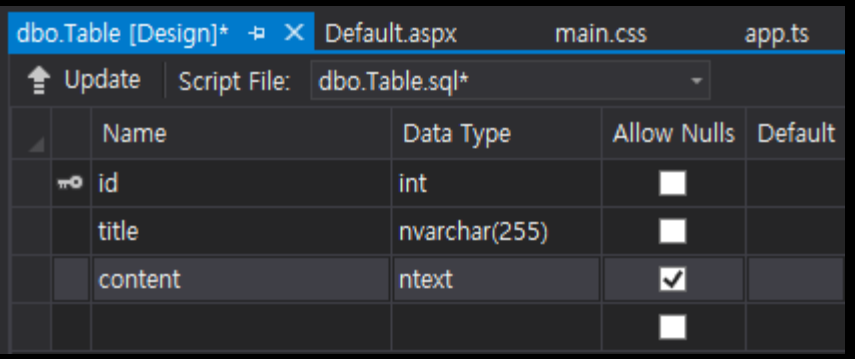
Admin Area

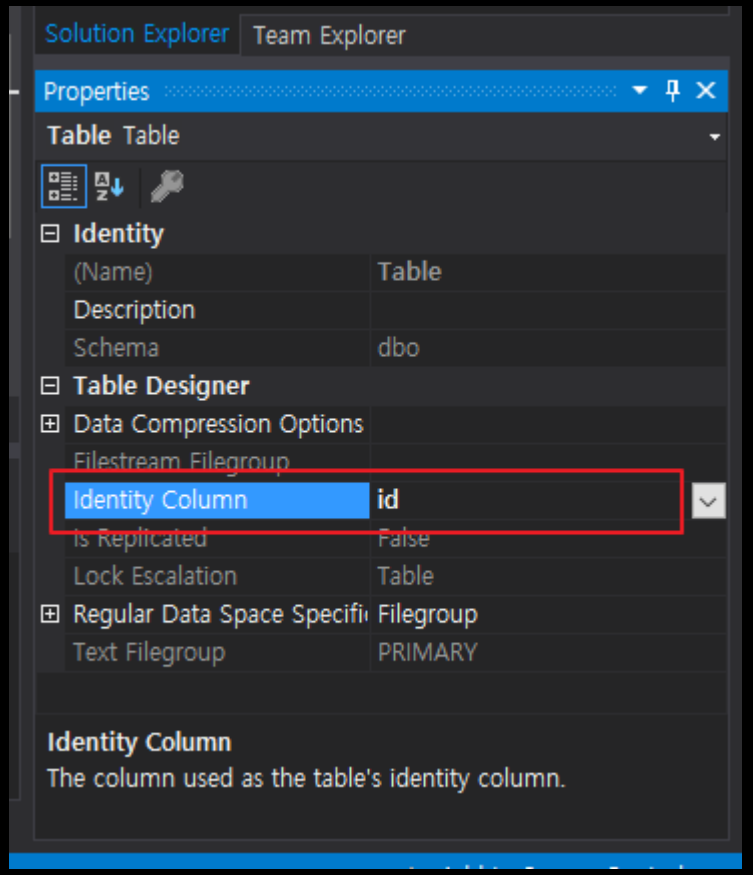

Solution Explorer
Search Solution Explorer (Ctrl+;)
Solution 'MyBlog' (1 project)
MyBlog
Connected Services
Properties
References
App_Data
scripts
app.ts
ArticleManager.ts
documentHelper.ts
IArticleInfo.ts
src
ArticleInfo.cs
ArticleManager.cs
FakeArticleDataProvider.cs
IArticleDataProvider.cs
Default.aspx
GetNextArticle.aspx
main.css
packages.config
Web.config
Solution Explorer
Team Explorer


Add New Item - MyBlog
Installed
Visual C#
WPF
Code
Data
General
SQL Server
Web
Windows Forms
Online
Sort by: Default
Search (Ctrl+E)
SQL Server Database Visual C#
XML File Visual C#
XML Schema Visual C#
Type: Visual C#
An empty SQL Server database
Name: blog
Add
Cancel
MyBlog
Connected Services
Properties
References
App_Data
scripts
app.ts
ArticleManager.ts
documentHelper.ts
IArticleInfo.ts
src
ArticleInfo.cs
ArticleManager.cs
FakeArticleDataProvider.cs
IArticleDataProvider.cs
Default.aspx
GetNextArticle.aspx
main.css
packages.config
Web.config
Solution Explorer
Team Explorer
Properties
App_Data Folder Properties
Misc
Folder Name App_Data


Server Explorer
Azure
Data Connections
blog.mdf
Tables
Views
Stored Procedures
Functions
Synonyms
Types
Assemblies
Servers
DESKTOP-1NGAL9R


blog.mdf
Add New Table
New Query
Refresh
Properties
Alt+Enter


dbo.Table [Design]*
Default.aspx
main.css
app.ts
Update
Script File:
dbo.Table.sql*
Name
Data Type
Allow Nulls
Default
id
int
title
nvarchar(255)
content
ntext


Solution Explorer
Team Explorer
Properties
Table Table
Identity
(Name)
Table
Description
Schema
dbo
Table Designer
Data Compression Options
Filestream Filegroup
Identity Column
id
Is Replicated
False
Lock Escalation
Table
Regular Data Space Specifi
Filegroup
Text Filegroup
PRIMARY
Identity Column
The column used as the table's identity column.

Design | T-SQL

```
CREATE TABLE [dbo].[Articles]
(
    [id] INT NOT NULL PRIMARY KEY IDENTITY,
    [title] NVARCHAR(255) NOT NULL,
    [content] NTEXT NULL
)
```

Triggers (0)

Save

내 PC › Windows (C:) › MyBlog › MyBlog › MyBlog ›

MyBlog 검색

구성 | 새 폴더

OneDrive - (주)케
내 PC
3D 개체
다운로드
동영상
문서
바탕 화면
사진
음악
Windows (C:)
네트워크

이름	수정한 날짜	유형	크기
App_Data	2021-11-28 오전 11:32	파일 폴더	
bin	2021-11-27 오후 9:20	파일 폴더	
obj	2021-11-27 오후 5:10	파일 폴더	
Properties	2021-11-27 오후 5:10	파일 폴더	
scripts	2021-11-28 오전 11:13	파일 폴더	
src	2021-11-27 오후 9:19	파일 폴더	

파일 이름(N): Articles.sql

파일 형식(T): SQL Files (*.sql)

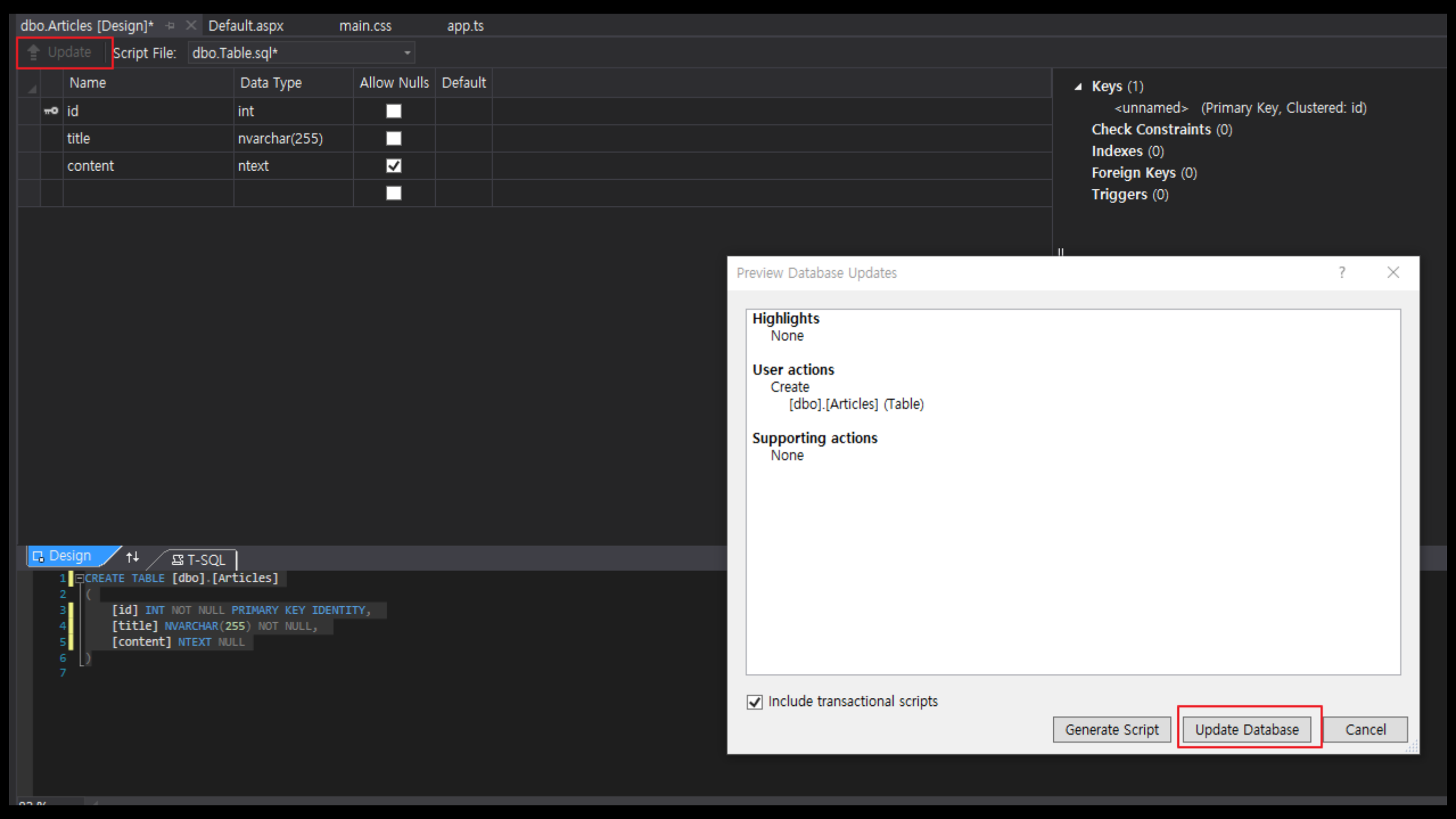
폴더 숨기기 | 저장(S) | 취소

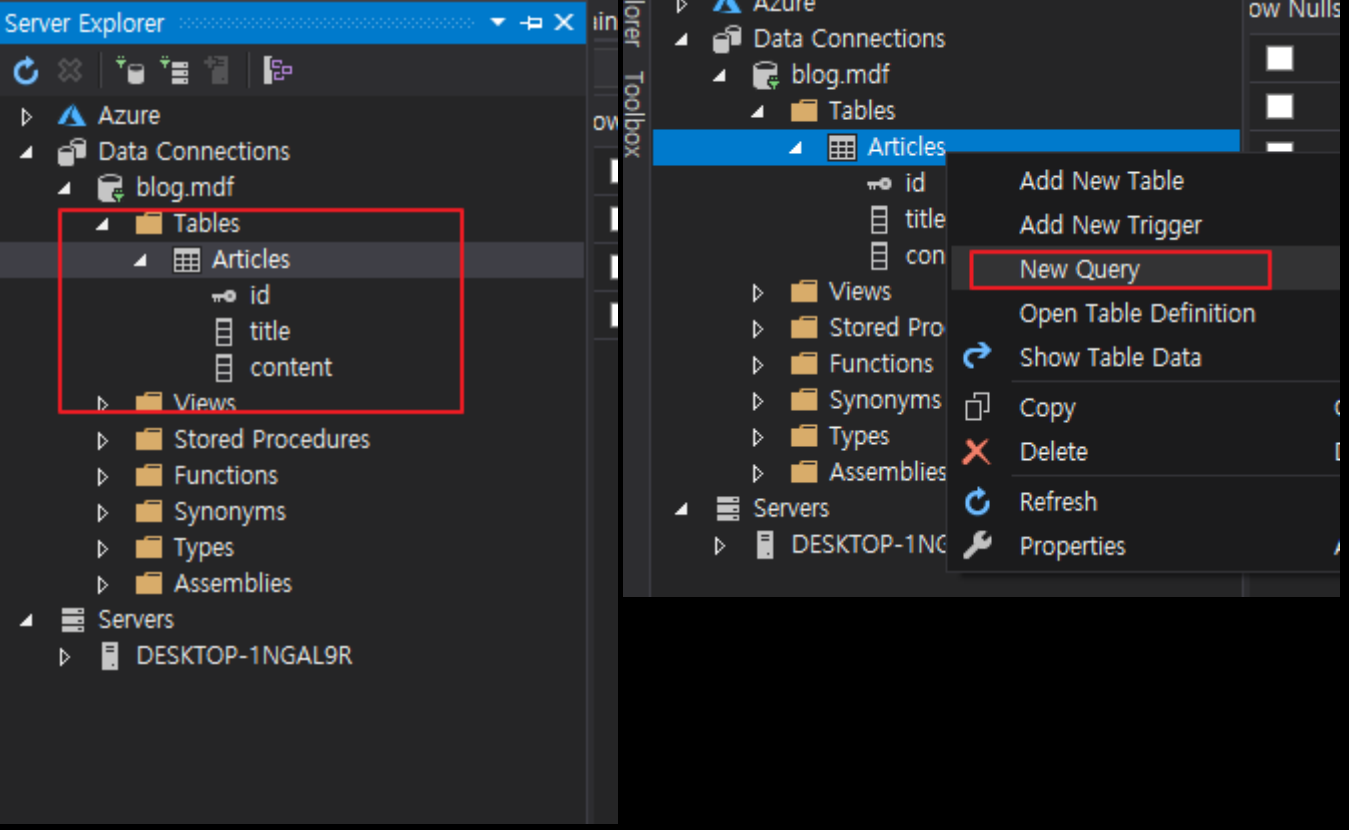
Design | T-SQL

```
CREATE TABLE [dbo].[Articles]
(
    [id] INT NOT NULL PRIMARY KEY IDENTITY,
    [title] NVARCHAR(255) NOT NULL,
    [content] NTEXT NULL
)
```

82 %

Connection Ready | (LocalDB)₩MSSQLLocalDB | AzureAD₩문태식 | C:₩MYB


dbo.Articles [Design]*
Default.aspx
main.css
app.ts
Update
Script File: dbo.Table.sql*
Name
Data Type
Allow Nulls
Default
id
int
title
nvarchar(255)
content
ntext
Keys (1)
<unnamed> (Primary Key, Clustered: id)
Check Constraints (0)
Indexes (0)
Foreign Keys (0)
Triggers (0)
Design
T-SQL
CREATE TABLE [dbo].[Articles]
(
[id] INT NOT NULL PRIMARY KEY IDENTITY,
[title] NVARCHAR(255) NOT NULL,
[content] NTEXT NULL
)
Preview Database Updates
Highlights
None
User actions
Create
[dbo].[Articles] (Table)
Supporting actions
None
Include transactional scripts
Generate Script
Update Database
Cancel


Server Explorer
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blog.mdf
Tables
Articles
id
title
content
Views
Stored Procedures
Functions
Synonyms
Types
Assemblies
Servers
DESKTOP-1NGAL9R
Toolbox
Add New Table
Add New Trigger
New Query
Open Table Definition
Show Table Data
Copy
Delete
Refresh
Properties

SQLQuery1.sql * | dbo.Articles [Design] | Default.aspx | main.css | app.ts

C:₩MYBLOG₩MYBLOG₩MYBLOC

```
1  insert into [Articles] ([title],[content])
2  VALUES (
3  'Article 1',
4  'TypeScript is an open-source language'+
5  'developed and maintained by Microsoft.'+
6  'it is a strict syntactical superset of Javascript, and'+
7  'adds optional static typing to he language.'
8  )
9
10 select * from Articles
```

82 %

T-SQL | Results | Message

	id	title	content
1	1	Article 1	TypeScript is an open-source languagedeveloped a...