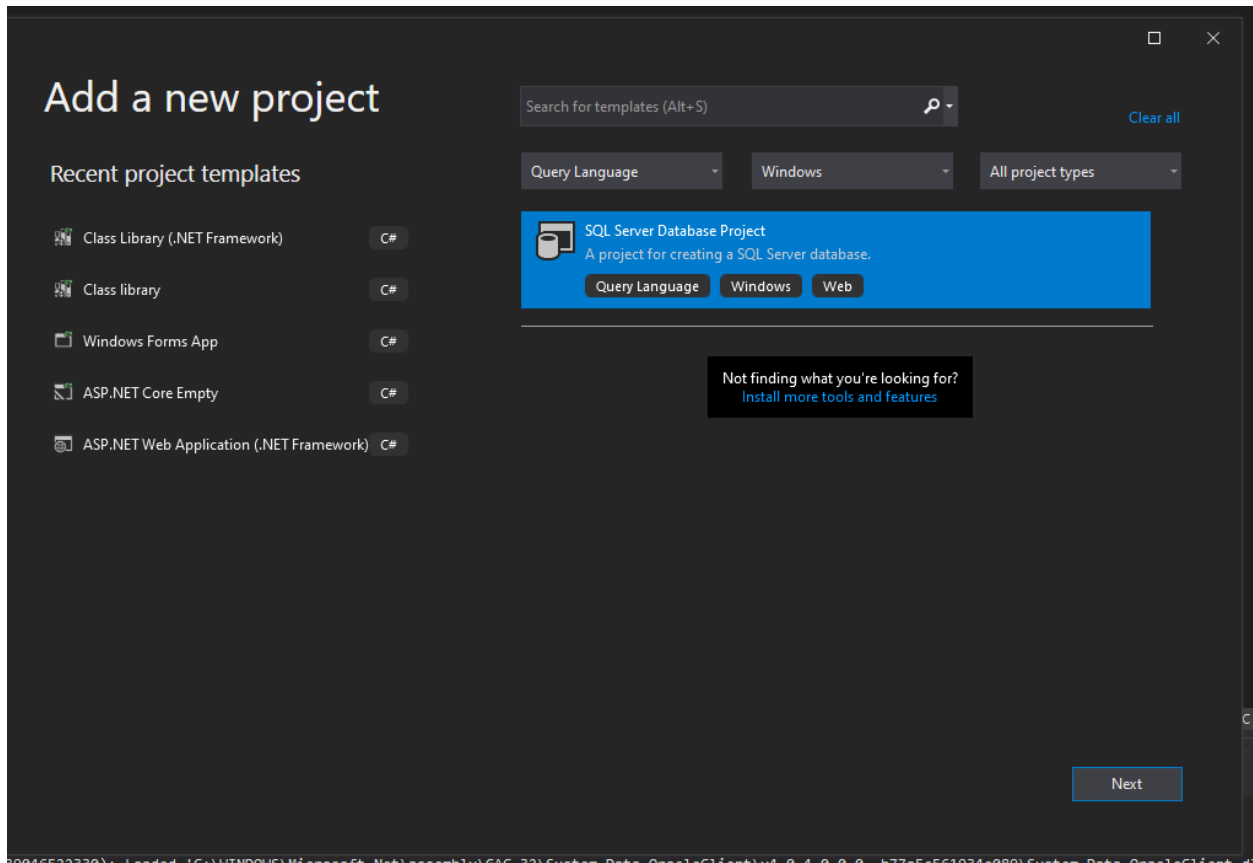


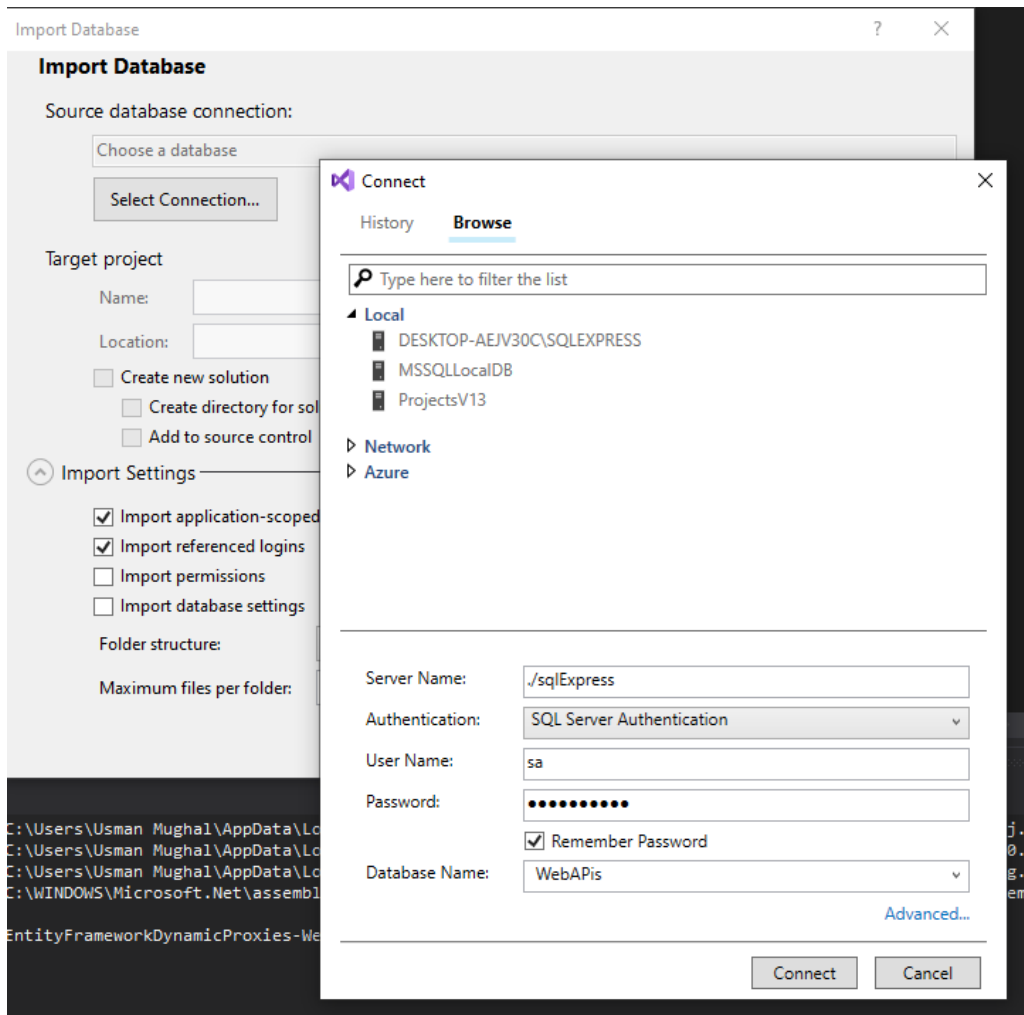
## SQL SERVER DATABASE IN VISUAL STUDIO WITH MVC 5

- Open Visual Studio
- Select New Project
- Select **SQL Server Database Project**



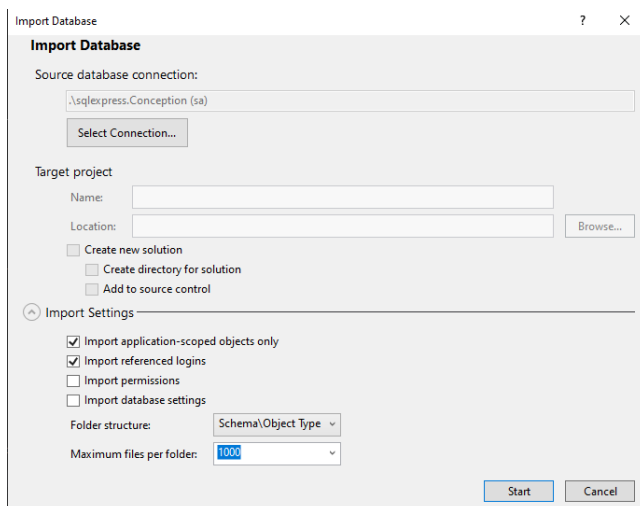
- Select **Next**
- Write Name (**WebApisDB**)
- Press **Create**
- Write click on **DB project folder** and select **import** -> **Database**
- Press Select **Connection**

➤ Fill all credentials as given in snap

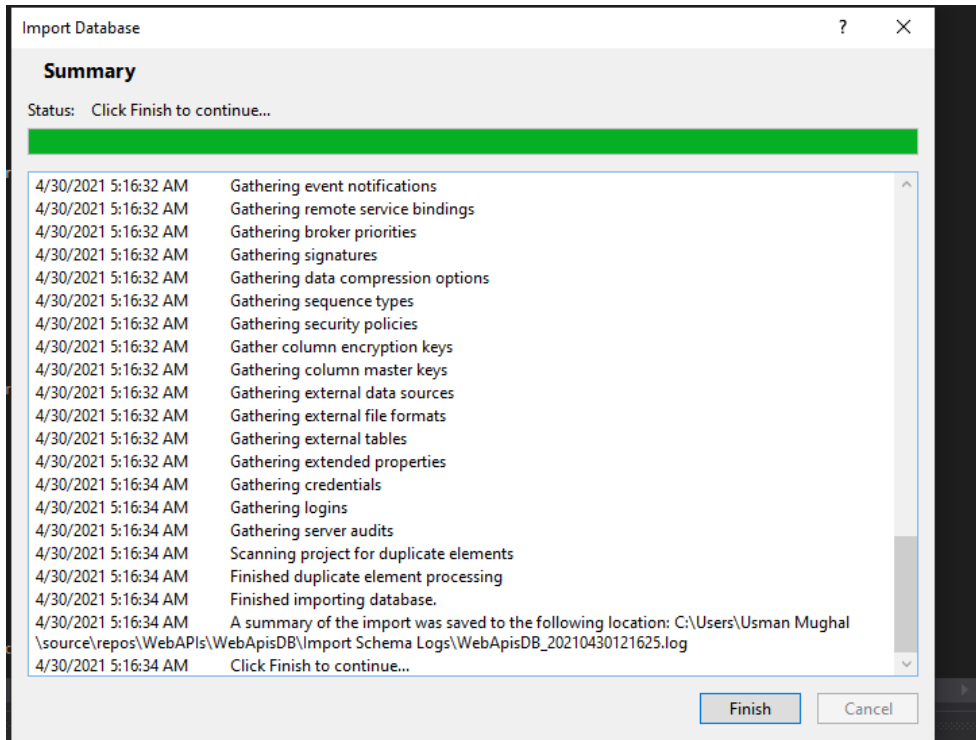


➤ Press Connect

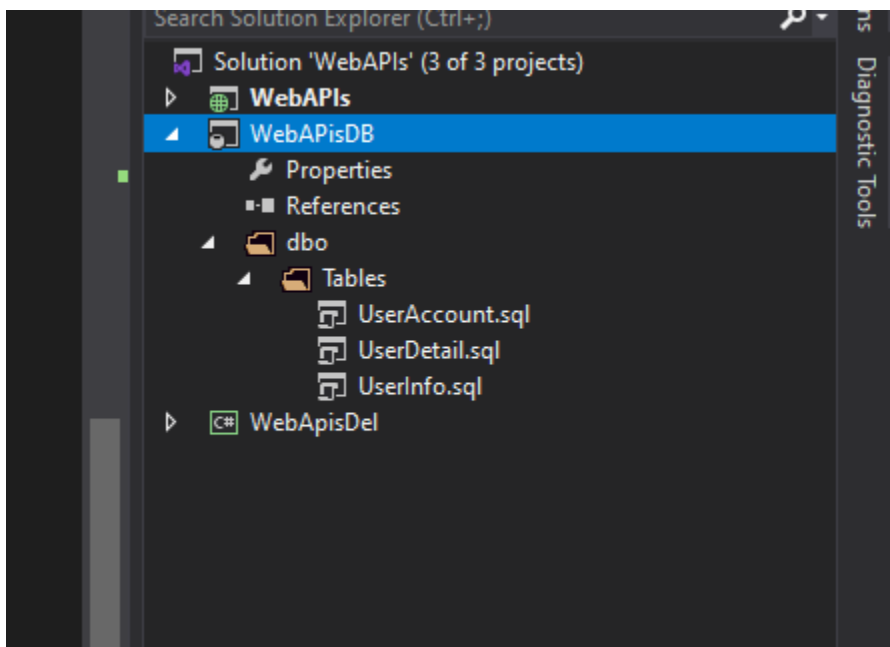
➤ Press start



- It will take some time to **download**
- Press **finish** button

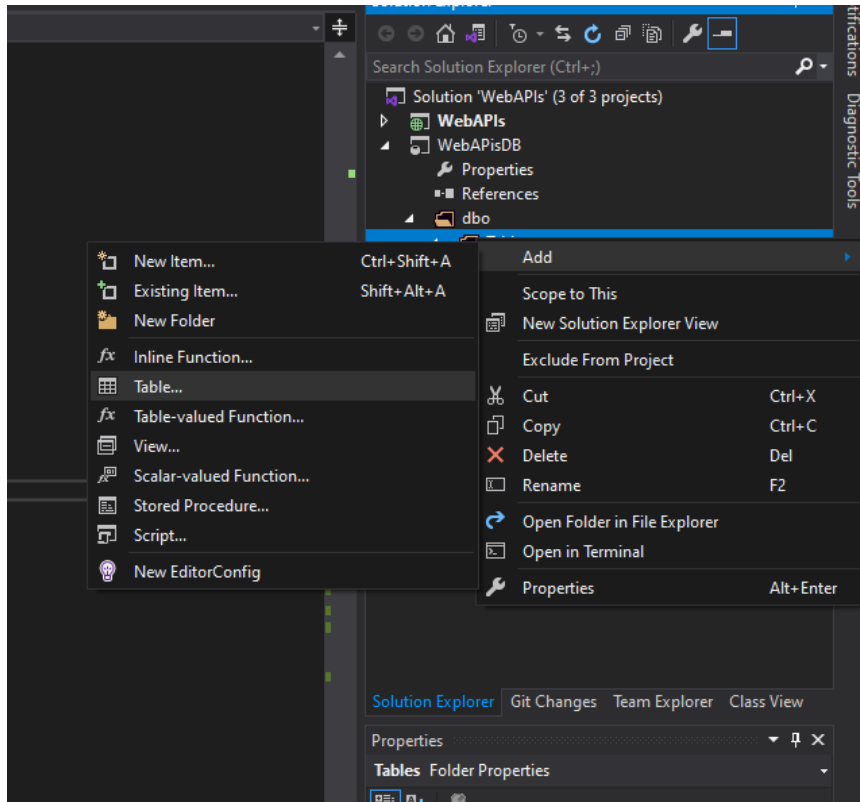


- After Finish you will get all of your **schema** of DB in your project

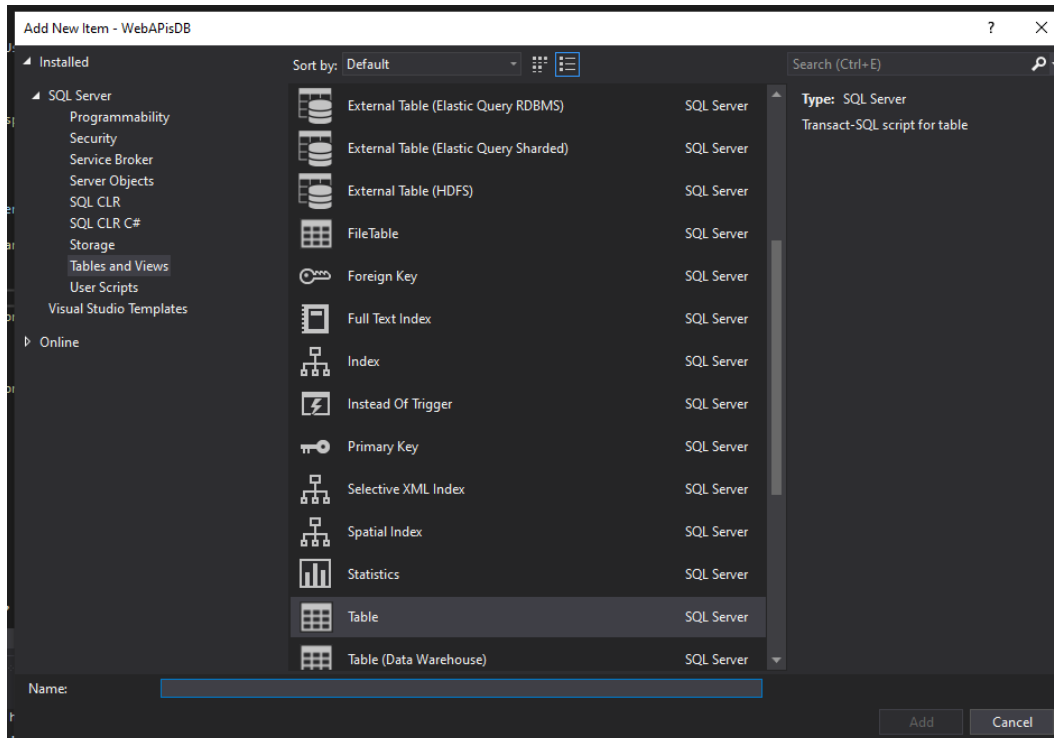


- Now you can **change** and **modify** DB from your project
- Can **create** and **update** tables, views and procedures
- And then **export** it to your main Database to **access** records

- Going to add new **Table** in project and **sync** it with main **Database**
- Right click on table found in **DB Project** and select add -> **Table**



- Select **Table** and name it and press **Add**



- Add Columns in the table and Primary Key and FK for the table

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
UserId	int	<input type="checkbox"/>	
Hobby	nvarchar(50)	<input checked="" type="checkbox"/>	
FavGames	nvarchar(50)	<input checked="" type="checkbox"/>	
FavSports	nvarchar(50)	<input checked="" type="checkbox"/>	

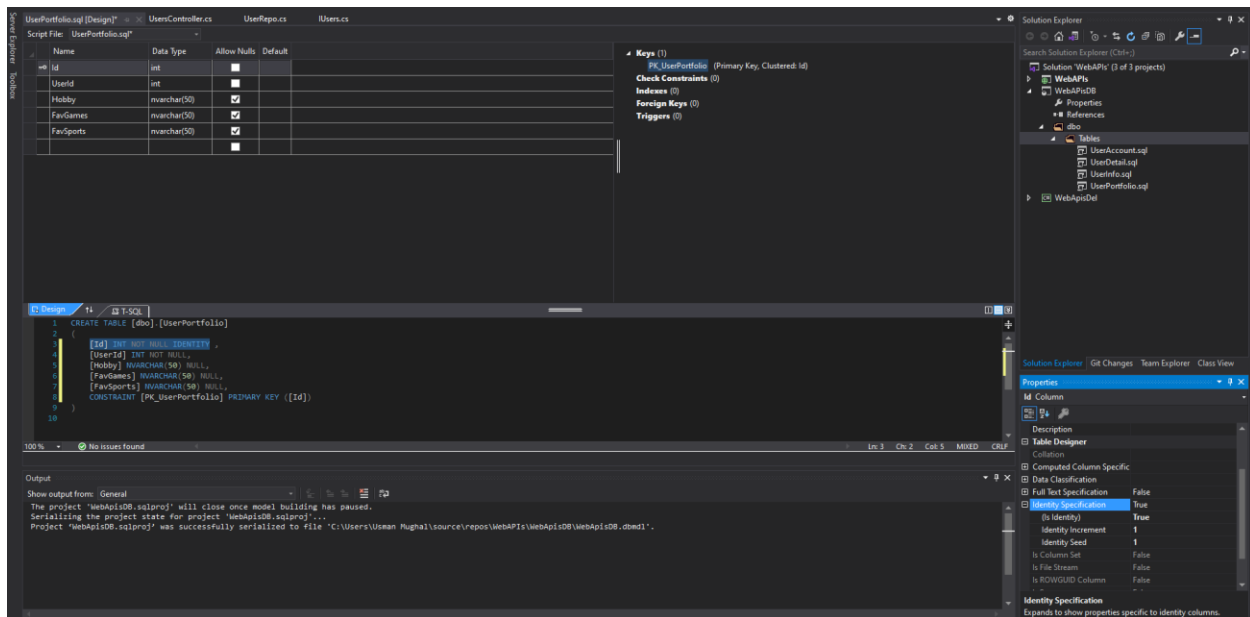
```
1 CREATE TABLE [dbo].[UserPortfolio]
2 (
3     [Id] INT NOT NULL PRIMARY KEY,
4     [UserId] INT NOT NULL,
5     [Hobby] NVARCHAR(50) NULL,
6     [FavGames] NVARCHAR(50) NULL,
7     [FavSports] NVARCHAR(50) NULL
8 )
9
```

- Right click on foreign Key and select Add
- Write manually reference in below given on the screen T-SQL

Name	Data Type	Allow Nulls	Default
Id	int	<input type="checkbox"/>	
UserId	int	<input type="checkbox"/>	
Hobby	nvarchar(50)	<input checked="" type="checkbox"/>	
FavGames	nvarchar(50)	<input checked="" type="checkbox"/>	
FavSports	nvarchar(50)	<input checked="" type="checkbox"/>	

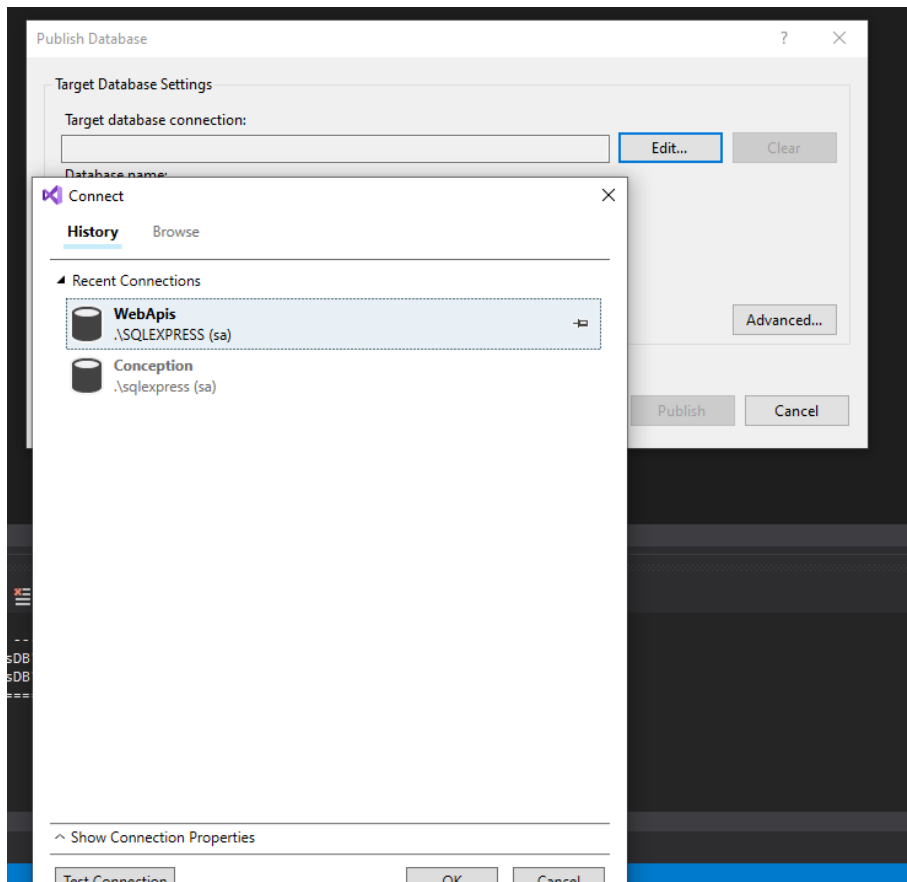
```
1 CREATE TABLE [dbo].[UserPortfolio]
2 (
3     [Id] INT NOT NULL IDENTITY ,
4     [UserId] INT NOT NULL,
5     [Hobby] NVARCHAR(50) NULL,
6     [FavGames] NVARCHAR(50) NULL,
7     [FavSports] NVARCHAR(50) NULL,
8     CONSTRAINT [PK_UserPortfolio] PRIMARY KEY ([Id]),
9     CONSTRAINT [FK_UserPortfolio_ToUserDetail] FOREIGN KEY (UserID) REFERENCES UserDetail(UserID)
10 )
11
```

- Also, you can set Identity column in Visual studio as shown in given snap

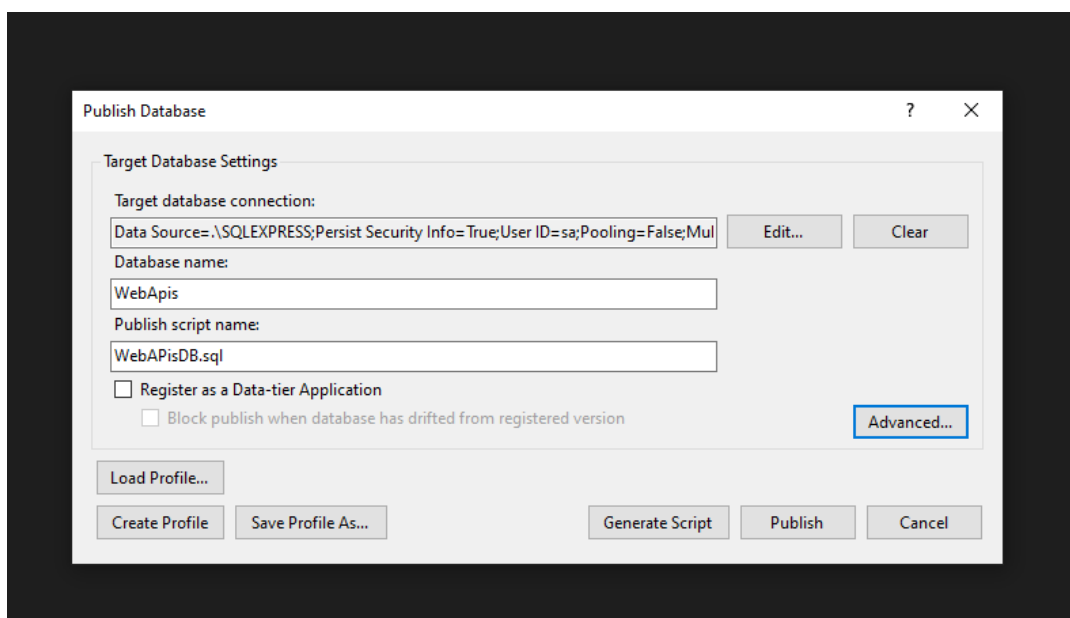


- **CTRL + S** to Save table Schema
- Make Sure to Re-Build Your Project

- Now Going to **Export Data in Main Database**
- Right Click on Db Project and select **Publish**
- Press Edit Button and select Your DB Schema and press ok



- Press Publish and wait until process Done



- Go to you MS SQL Server and Refresh DB
- Wow your table has Imported.

