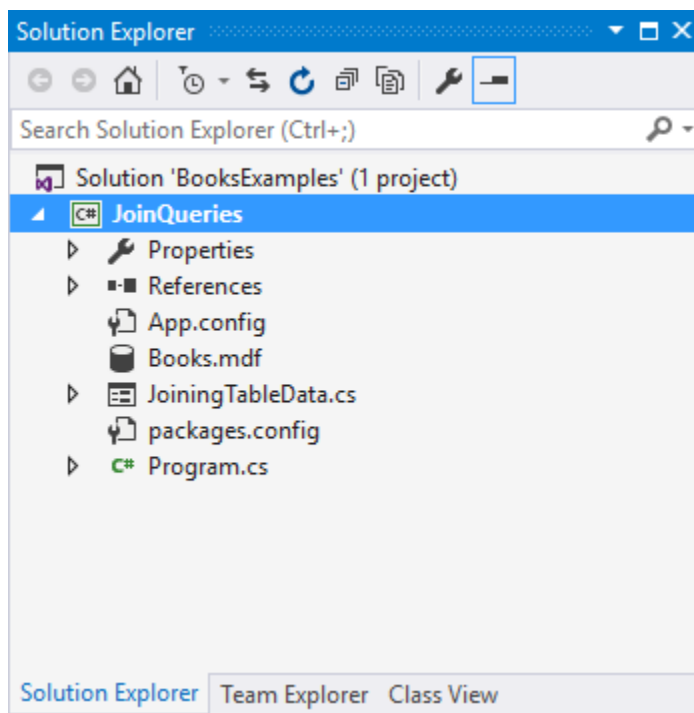# Running the Book Database Applications

Update the database file to the new version of Visual Studio

1. Down load the data base file books.mdf
2. Download the demo file and unzip it.
3. Open the demo solution file
4. In the solution explorer, right click the project **JoinQueries**
5. Select Add → Existing item.
   Find and select the database books.mdf

6. Connect to SQL Express database
   a. Select View → Server Explorer
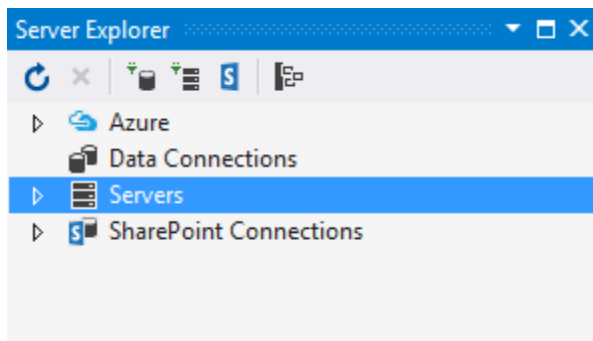
1. Select the connect to database button (cylinder icon)
2. In the Add Connection dialog box, specify the following information:

Click OK.
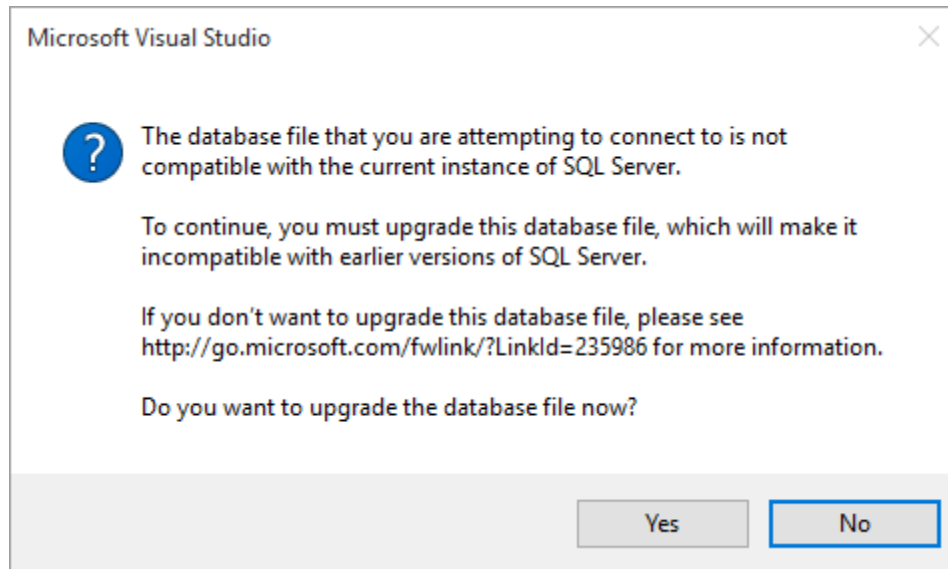
Click Yes to upgrade the database file.

Create ADO Entity Data Model

1. In the solution explorer, right click the project **JoinQueries**
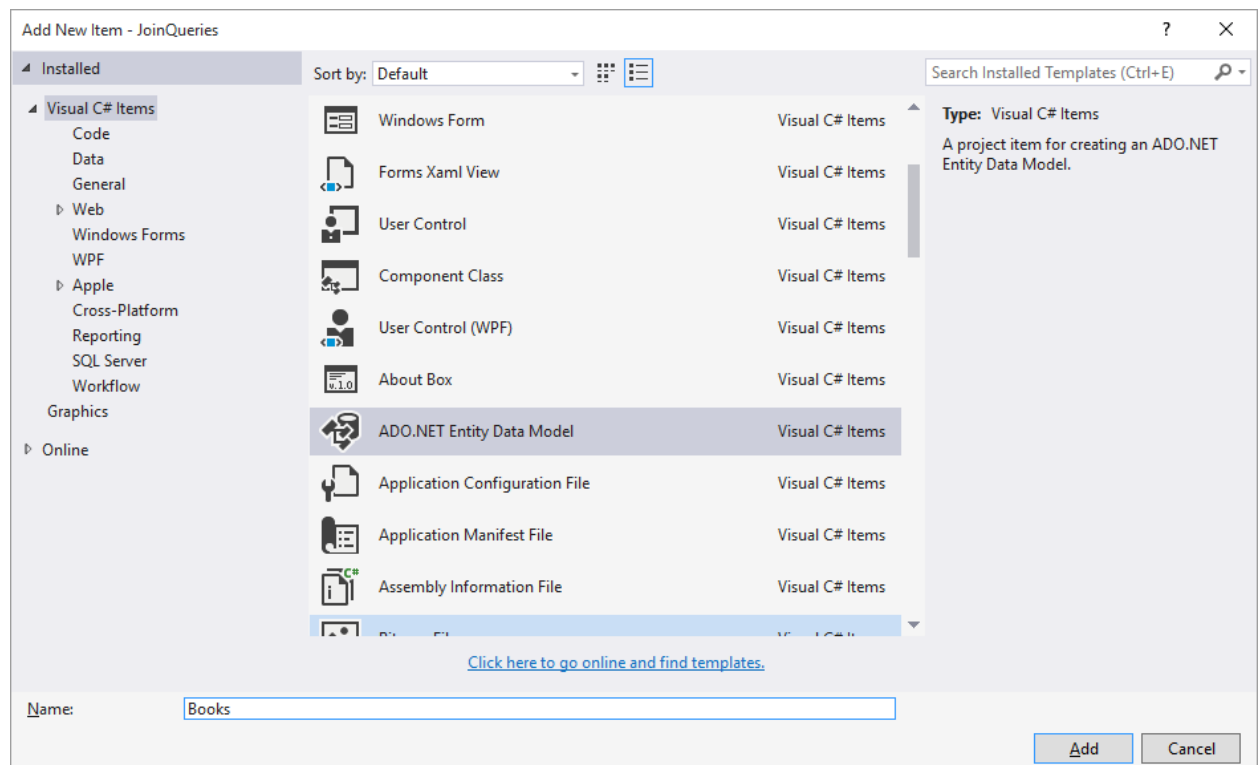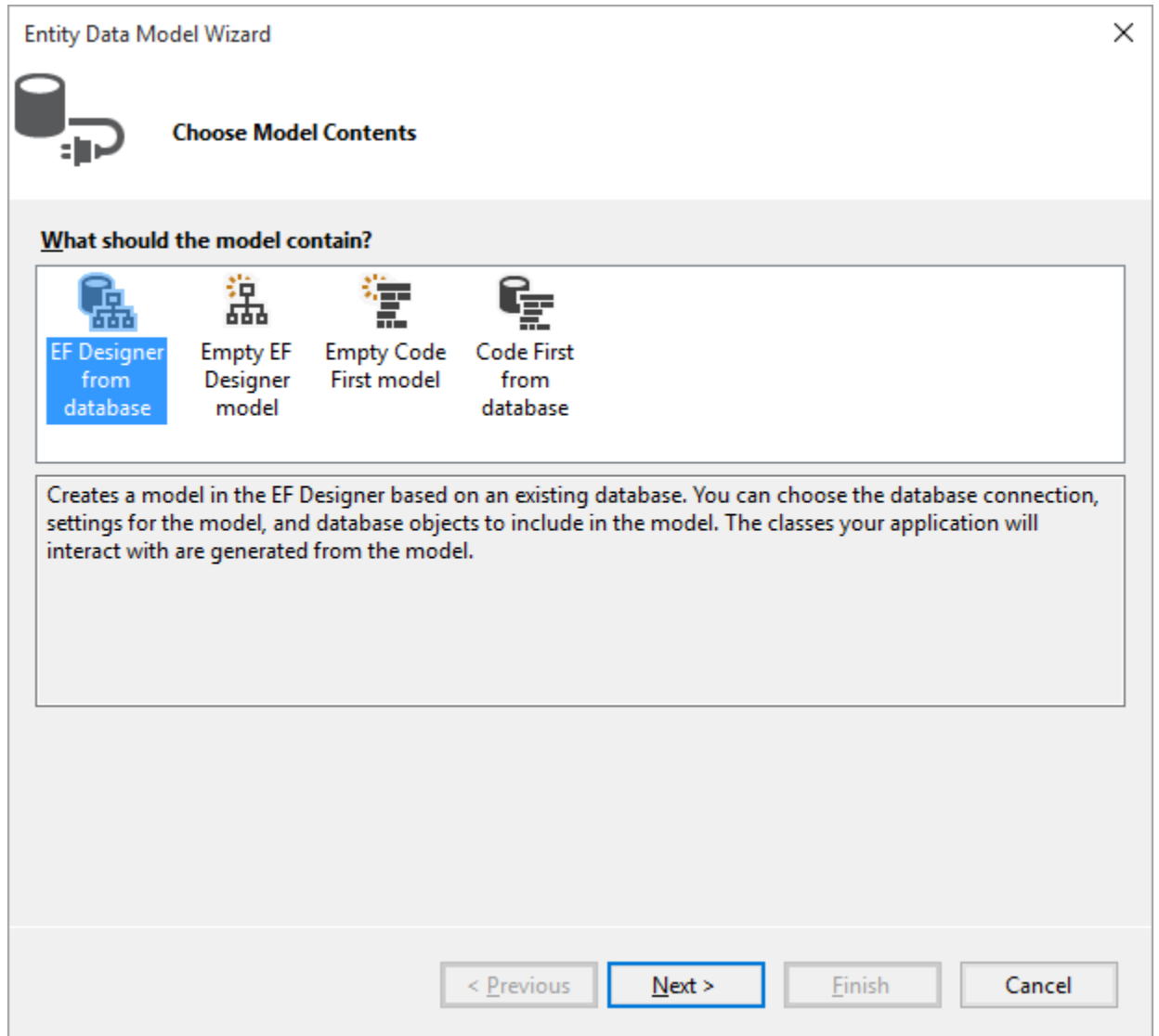
   Select Add → New item.
   In the Add New Item dialog box, specify the following information:

Click Add.

2. In the Entity Data Model Wizard, select EF Designer from database, click Next.

Entity Data Model Wizard   ×

Choose Model Contents

<u>W</u>hat should the model contain?

| EF Designer from database | Empty EF Designer model | Empty Code First model | Code First from database |

Creates a model in the EF Designer based on an existing database. You can choose the database connection, settings for the model, and database objects to include in the model. The classes your application will interact with are generated from the model.

< <u>P</u>revious   <u>N</u>ext >   <u>F</u>inish   Cancel

Entity Data Model Wizard

Choose Your Data Connection

Which data connection should your application use to connect to the database?

Books.mdf ▾ | New Connection...

This connection string appears to contain sensitive data (for example, a password) that is required to connect to the database. Storing sensitive data in the connection string can be a security risk. Do you want to include this sensitive data in the connection string?

○ No, exclude sensitive data from the connection string. I will set it in my application code.

○ Yes, include the sensitive data in the connection string.

Connection string:

```
metadata=res://*/Books.csdl|res://*/Books.ssdl|
res://*/Books.msl;provider=System.Data.SqlClient;provider connection string="data source=
(localdb)\MSSQLLocalDB;attachdbfilename=|DataDirectory|\Books.mdf;integrated
security=True;MultipleActiveResultSets=True;App=EntityFramework"
```

☑ Save connection settings in App.Config as:

BooksEntities

< Previous | Next > | Finish | Cancel

Click Next.

Entity Data Model Wizard

Choose Your Version

Which version of Entity Framework do you want to use?

○ Entity Framework 6.x

◉ Entity Framework 5.0

ℹ Your project references an older version of Entity Framework. To use the latest version, exit this wizard and upgrade before performing this action.

[< Previous] [Next >] [Finish] [Cancel]

Click Next.

Select Tables. Click Finish.
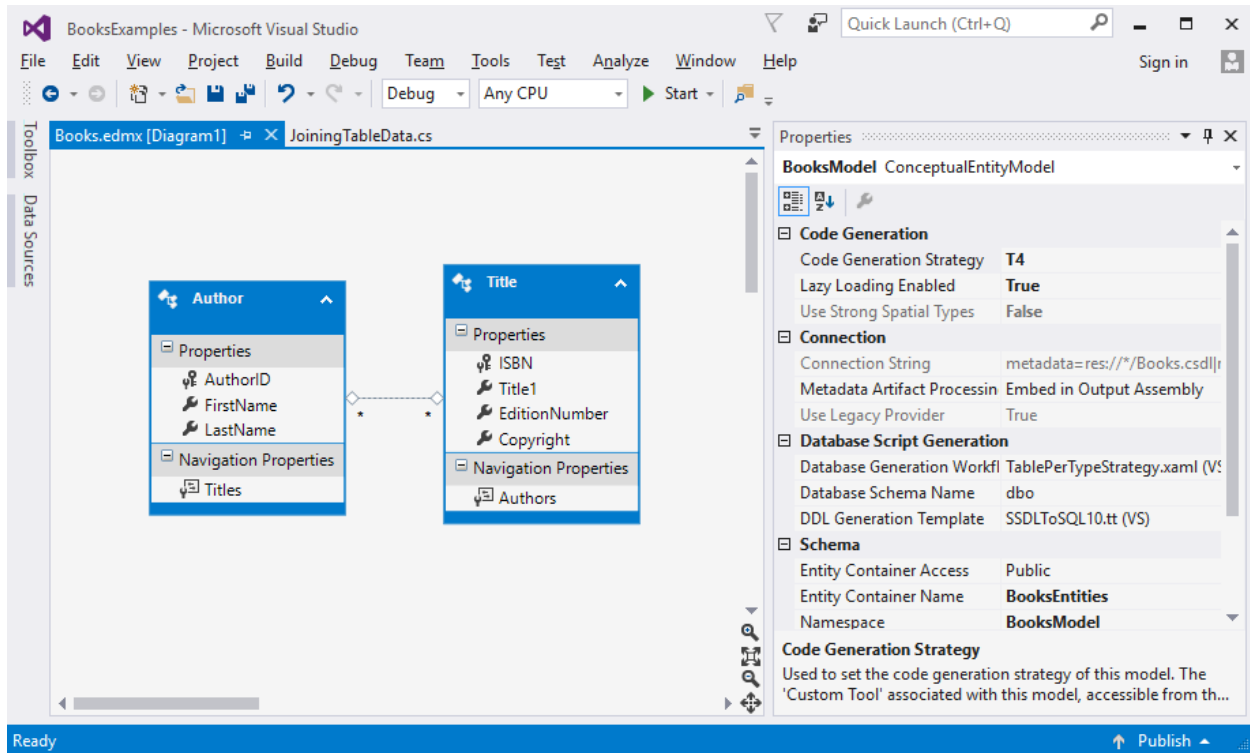
3. Now you can run the demos.