Learn ASP.NET Core 3.1 - Full Course for Beginners

Course from Bhrugen Patel. Check out more of his courses
YouTube: https://www.youtube.com/watch?v=C5cnZ-gZy2I&t=4121s

PDF guide created by antony.kidis@gmail.com

Once you've downloded, or cloned a source code from github

 Book List Razor: https://github.com/bhrugen/BookListRazor
 Book List MVC: https://github.com/bhrugen/BookListMVC

You would probably test the project and see how it works. But Stop, you should first
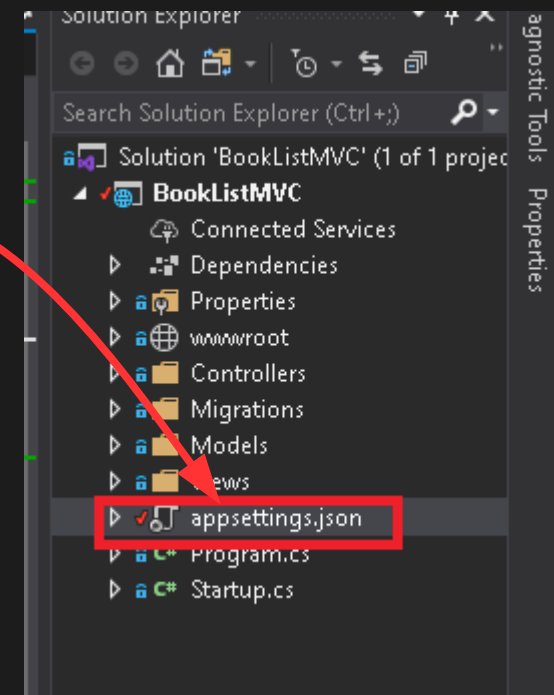setup a few things before running this project.

1. Download a source code from the above links.
2. Open Project in Visual Studio, and search the appsettings.json
3. Open This file in edit view, and change the connection string
   That matches your localDB (localDB should be preinstalled
    When you installing your sql express. Otherwise it won't work)

This is my connection string:
```
"ConnectionStrings": {
    "DefaultConnection": "Data Source=(localdb)\\MSSQLLocalDB;InitialCatalog=master;
    Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;
    ApplicationIntent=ReadWrite;MultiSubnetFailover=False"
 },
```
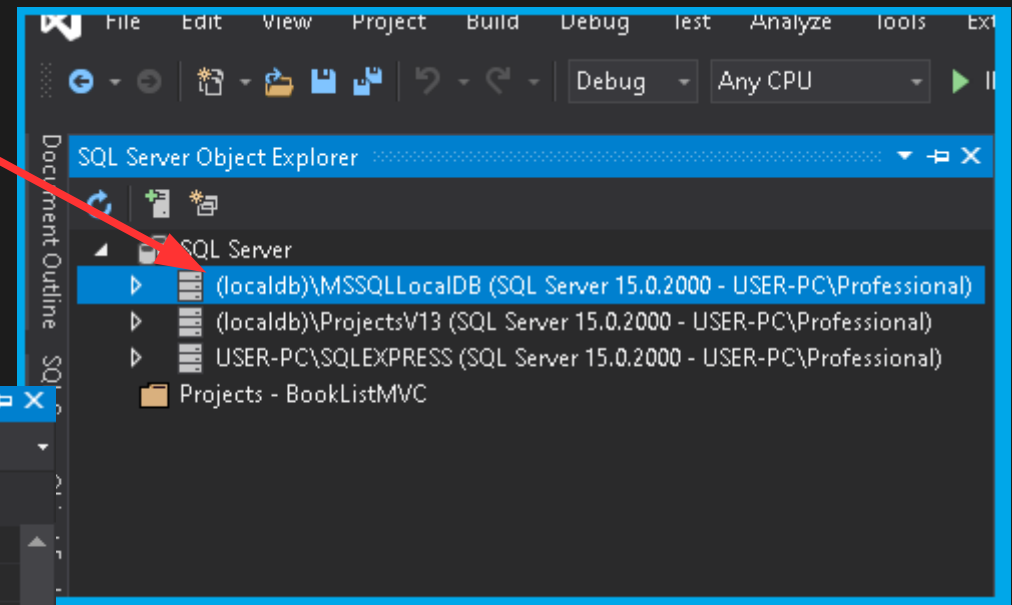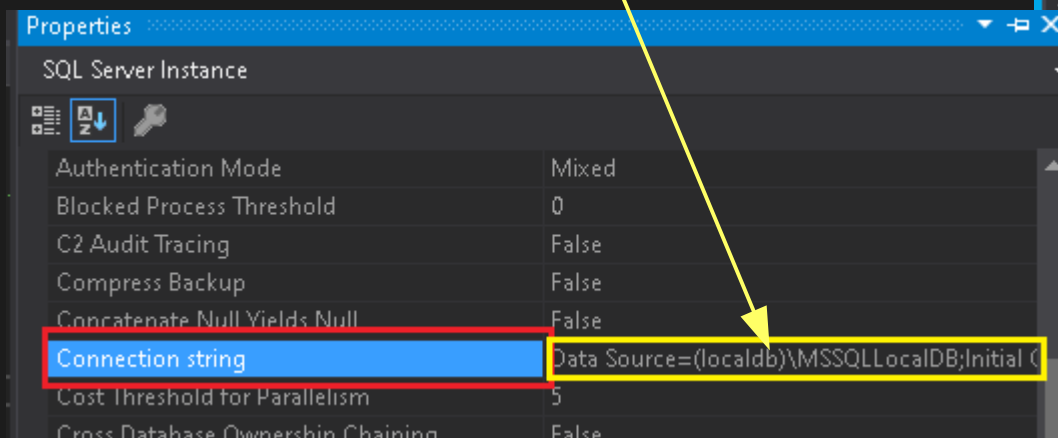
```
This is a connection string comes with a project (this will not work!!!!)
//"Server=USER-PC\\SQLEXPRESS;Database=BookListMVC;Trusted_Connection=True;MultipleActiveResultSets=True"
```

How to locate right connection string?

1. Open SQL Server Object explorer
2. Rightclick (localDB) and choose **properties**.
3. From the Properties window search for
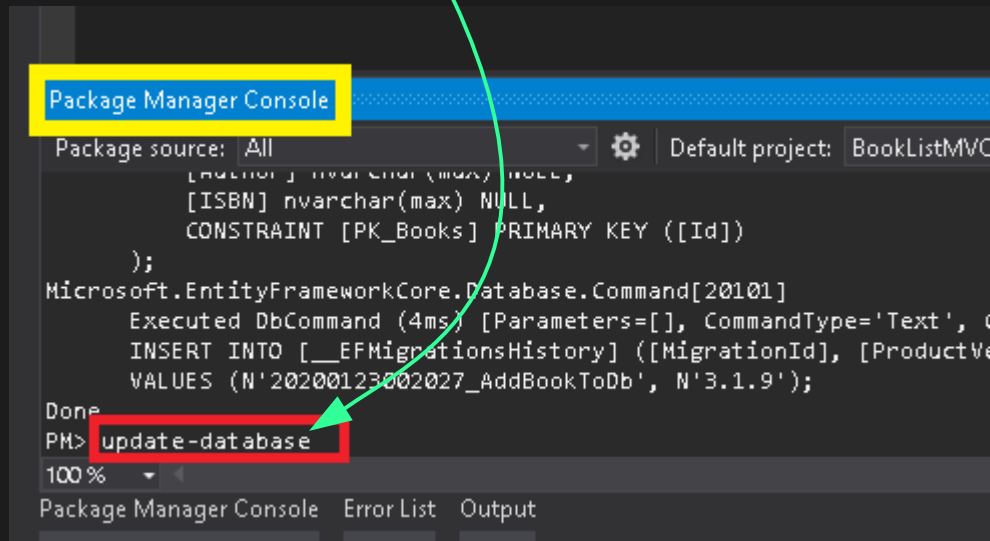   **Connection String**
4. Copy the connection string.

```
File   Edit   View   Project   Build   Debug   Test   Analyze   Tools   Ext

                                              Debug    ▾   Any CPU          ▾   ▶ II

SQL Server Object Explorer                                          ▾  ⊣ ×

   ⊿    SQL Server
          ▷     (localdb)\MSSQLLocalDB (SQL Server 15.0.2000 - USER-PC\Professional)
          ▷     (localdb)\ProjectsV13 (SQL Server 15.0.2000 - USER-PC\Professional)
          ▷     USER-PC\SQLEXPRESS (SQL Server 15.0.2000 - USER-PC\Professional)
          Projects - BookListMVC
```

```
Properties                                          ▾  ⊣ ×

SQL Server Instance                                       ▾

Authentication Mode            Mixed
Blocked Process Threshold      0
C2 Audit Tracing               False
Compress Backup                False
Concatenate Null Yields Null   False
Connection string              Data Source=(localdb)\MSSQLLocalDB;Initial C
Cost Threshold for Parallelism 5
Cross Database Ownership Chaining  False
```

5. Open appsettings.json file, and paste your conection string into defaultconnections section
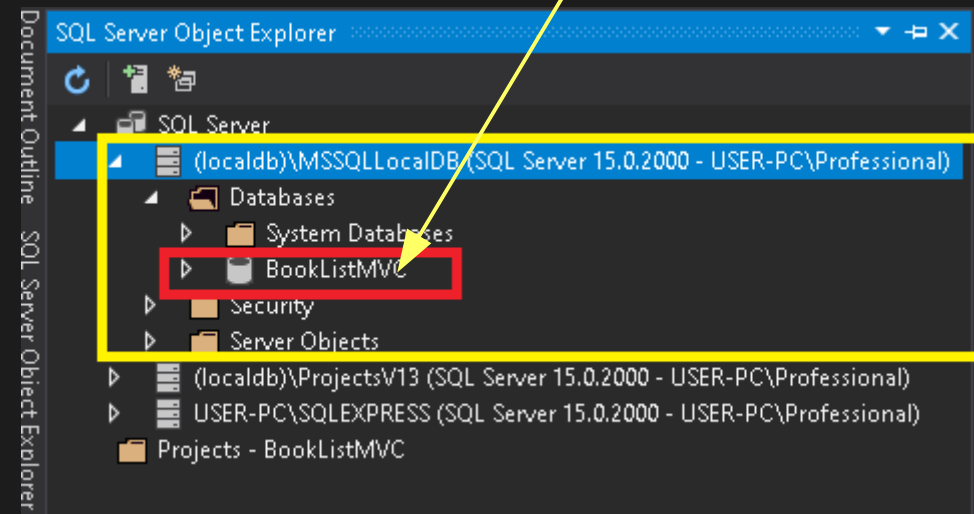```
{
  "ConnectionStrings": {
    "DefaultConnection": "Data Source=(localdb)\\MSSQLLocalDB;Initial Catalog=BookListMVC;
                          Integrated Security=True;Connect Timeout=30;Encrypt=False;
                          TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False"
  },
```

6. **NEXT:** *Important step*: Open Package Manager Console, and run this command: **update-database** hit enter.
This step „wires" the application to a database. After this you are ready to start working on your applica*tion*.
*So don't forget to execute the update-database command before you running the application*

**Update-database** command will update you localdb and will create a catalog named **BookListMVC**
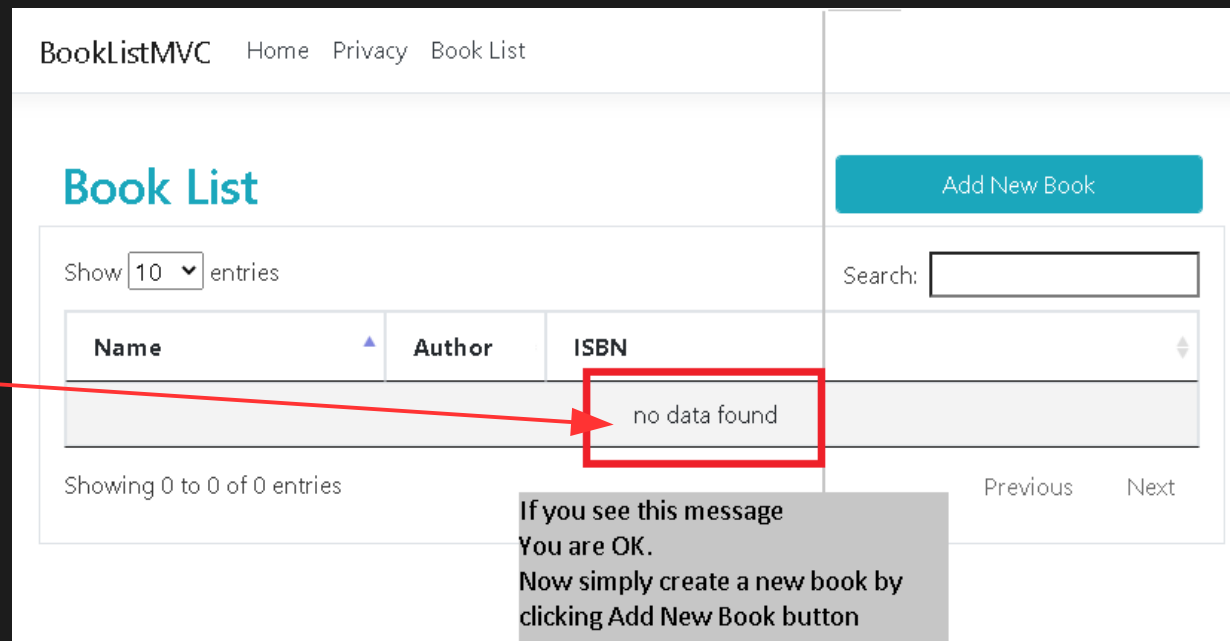Once the command is executed, It will give you a short confirmation when its done.

Package Manager Console

Package source: All    Default project: BookListMVC

```
        [Author] nvarchar (max) NULL,
        [ISBN] nvarchar(max) NULL,
        CONSTRAINT [PK_Books] PRIMARY KEY ([Id])
    );
Microsoft.EntityFrameworkCore.Database.Command[20101]
        Executed DbCommand (4ms) [Parameters=[], CommandType='Text',
        INSERT INTO [__EFMigrationsHistory] ([MigrationId], [ProductVe
        VALUES (N'20200123002027_AddBookToDb', N'3.1.9');
Done
PM> update-database
100 %
```

Package Manager Console   Error List   Output

SQL Server Object Explorer

SQL Server
  (localdb)\MSSQLLocalDB (SQL Server 15.0.2000 - USER-PC\Professional)
    Databases
      System Databases
      BookListMVC
    Security
    Server Objects
  (localdb)\ProjectsV13 (SQL Server 15.0.2000 - USER-PC\Professional)
  USER-PC\SQLEXPRESS (SQL Server 15.0.2000 - USER-PC\Professional)
  Projects - BookListMVC

7. Run the application (**F5**)

If your application was able to connect
To your localdb catalog you will get
a **no data found** notification, which is
Good. It means that the connection was
established successfully, and a notification was
sent to prompt **there is no data yet**
being entered into a database.

If you experience a notification says:
Loading Data... tthis means something went
wrong with your connection. In this situation
please recheck your connection string again.

8. Add a new book to a Book List

BookListMVC   Home   Privacy   Book List

Book List

Add New Book

Show 10 entries   Search:

Name	Author	ISBN	
		no data found	

Showing 0 to 0 of 0 entries   Previous   Next

If you see this message
You are OK.
Now simply create a new book by
clicking Add New Book button

BookListMVC   Home   Privacy   Book List

Create Book

Name	Voina I Mir
Author	Lev Tolstoy
ISBN	345678965432

Create   **Back to List**

Once a book is created you will be redirected to a home page

BookListMVC   Home   Privacy   Book List

Book List

Add New Book

Show 10 entries   Search:

Name ▲	Author	ISBN	
Voina I Mir	Lev Tolstoy	345678965432	**Edit** **Delete**

Showing 1 to 1 of 1 entries   Previous   1   Next

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Special Thanks to MR. **Bhrugen Patel** 🔳

For a great course

Thank You :-)

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