Lesson 39 - ToDoList API

1. Install the followingEntity Framework Dependencies in your project:

   1. `Microsoft.EntityFrameworkCore`
   2. `Microsoft.EntityFrameworkCore.Tools`
   3. `Microsoft.EntityFrameworkCore.Design`
   4. `Microsoft.EntityFrameworkCore.SqlServer`

2. Create a table in your database, i.e. `todo_items`

3. Get the Connection String for your database. You can use the SQL Server Object Explorer View to add a database in Visual Studio for viewing. Right clicking on the added database, and select properties. In the Properties window you can access your connection string.

4. Use the `Scaffold-DbContext` command to **Reverse Engineer** your database and autocreate the model and context files.

```
Scaffold-DbContext 'Data Source=AMAD\SQLEXPRESS;Initial Catalog=api;Integrated
Security=True;Connect Timeout=30;Encrypt=False;Trust Server
Certificate=False;Application Intent=ReadWrite;Multi Subnet Failover=False'
Microsoft.EntityFrameworkCore.SqlServer -Tables todo_items -ContextDir Models -
OutputDir Models
```

6. Add a controller. Select the EntityFramework with actions option.
7. Run the app and test it out.