Exercises about Entity FrameWork Core

- Solve them in Visual Studio.

Exercise 23.01: Products are orginasized with Categories

	A good starting point is 12001-a DemoEntityFrameWorkCore. *Study the code good.* - *This removes the database and recreates it, without using migrations.*

- You have Products.
- You have Categories.
- A Product has a specific Category.
- A Category can have more than one Product.
- Create Code First Classes.
- Use those Classes to create a new SQL Server Database.
- Write some code to add data to the tables.
- Write some code to query the data from the database.

	When Linq is already studied, integrate the Linq language into your queries.

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Exercise 23.02: Publish your code

A good starting point is for this exercise the code in

12002-a MigrationEntityFrameWorkCore.

Study the code good.

- *The goal is to use migrations to set up the database.*

- You have a Book.
- You have a Genre.
- You have a Publisher.
- A Book has a specific Genre.
- A Book has a specific Publisher.
- A Genre can have more than one Book.
- A Publisher can have more than one Book.
- Create Code First the class for Book.
- Use Package Manager Console for creating the first migration.
- Create Code First the class for Genre.
- Use Package Manager Console for creating the second migration.
- Create Code First the class for Publisher.
- Use Package Manager Console for creating the third migration.
- Write some code to add data to the tables.
- Write some code to query the data from the database.

Variant 1

- Do the same thing, but add data to the tables after every migration.

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Exercise 23.03: Show me the Money

A good starting point is for this exercise the code in

12002-a MigrationEntityFrameWorkCore.

Study the code good.

- *The goal is to use migrations to set up the database.*

- You have a Client, an Order and a Payment.
- An Order is for one Client.
- A Payment is for one Order.
- A Client can have multiple Orders.
- An Order can have multiple Payments.
- Create Code First the class for Payment.
- Use Package Manager Console for creating the first migration.
- Create Code First the class for Order.
- Use Package Manager Console for creating the second migration.
- Create Code First the class for Client.
- Use Package Manager Console for creating the third migration.
- Write some code to add data to the tables.
- Write some code to query the data from the database.

Variant 1

- Do the same thing, but add data to the tables after every migration.

Variant 2

- Work the other way around.
- First the class Client.
- Then the class Order
- Then the class Payment.

Notes

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Exercise 23.04: Invent your inventory

A good starting point is for this exercise the code in

12002-a MigrationEntityFrameWorkCore.

Study the code good.

- *The goal is to use migrations to set up the database.*

- Invent an example for yourself.
- Make sure that in the comments it is clear what will be made.
- You have a list of migrations or only one.
- Write some code to add data to the tables.
- Write some code to query the data from the database.
- For testing, the database will be created using the set of migrations.
- The application must show all the data that is in the database.