

## LINQ queries with unit test

Copy the following files from **PersonRepositoryWithLinq.zip** into the following projects:

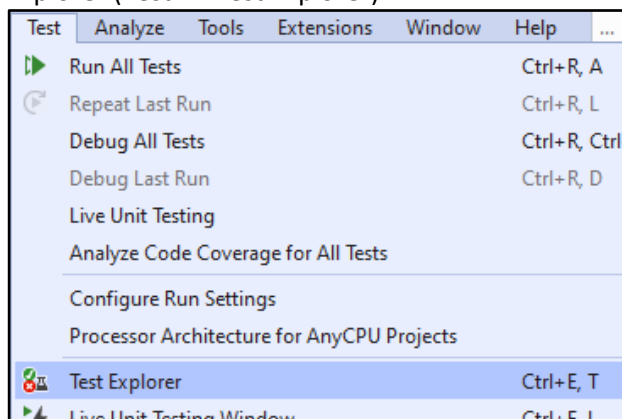
- LinqQueries.cs → WPF-Projekt
- UnitTestsPersonRepository.cs → Unittest-Projekt
- csv files → PersonDbLib (replace your files so that the unit tests an work)

Program the LINQ statements in **LinqQueries.cs**

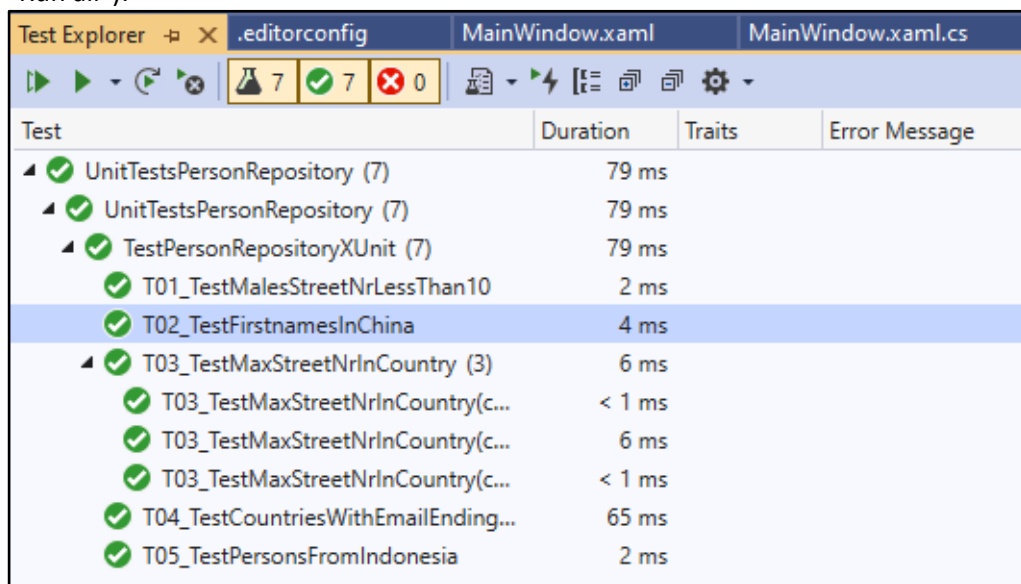
Then create the following **Queries** with your code:

1. All males whose house number is less than 10
2. All different first names of people from China (sorted)
3. Largest house number of addresses in a given country
4. All different countries of people whose email ends in ".org" (sorted)
5. All persons from Indonesia sorted by last name, but in the returned collection the first 3 persons should be skipped and then only the next 4 persons should be returned (i.e. with Skip and Take).

To validate, I added a **UnitTest** to the project with test methods for each task. You can do this with the Test Explorer (Test → Test Explorer):



The window "Test Explorer" appears which should look like this (after you click green button top left for "Run all"):



For friends of the console: this is also possible with **dotnet test** (you must be in the directory of the UnitTest, that is **UnitTestsPersonRepository**).