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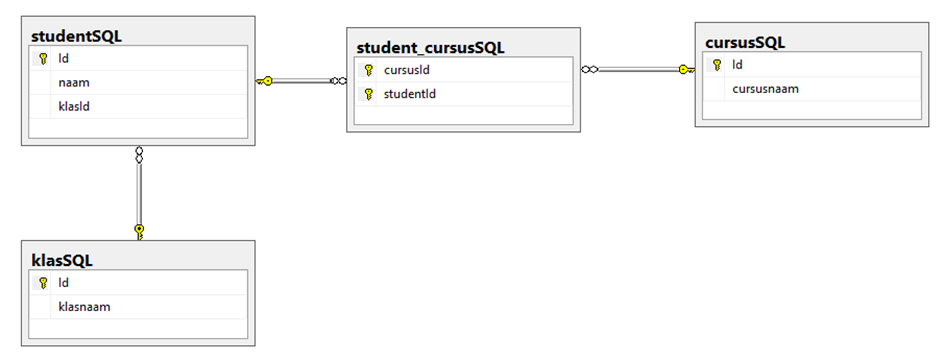
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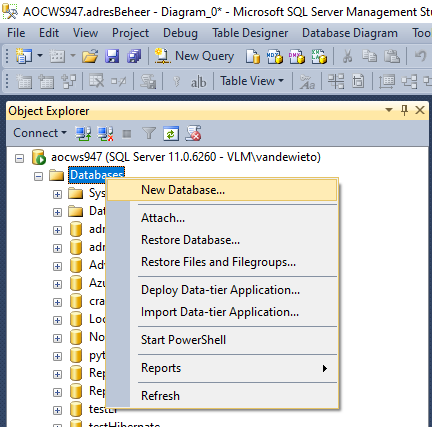
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# ADO.NET

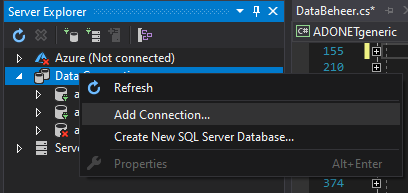
## Data model

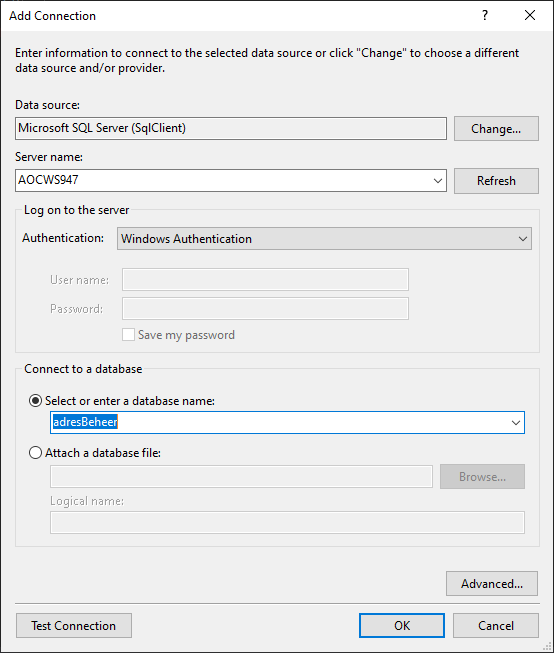


Stap 1 – aanmaken databank (Microsoft SQL Server Management Studio)

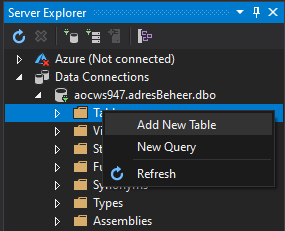


Stap 2 – Voeg connectie toe naar databank

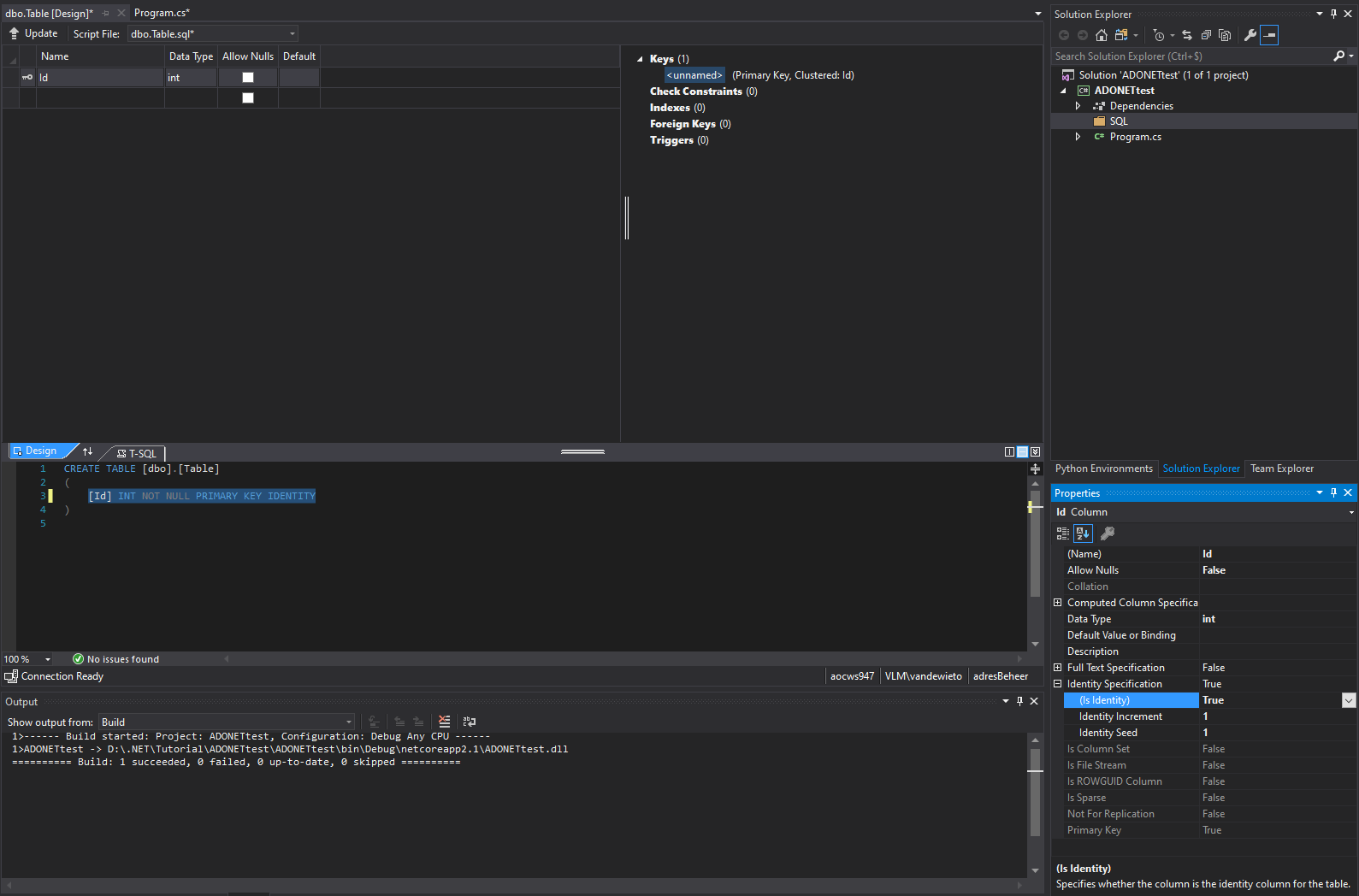




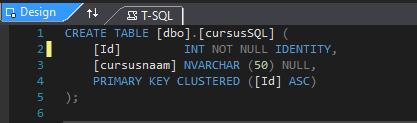
Stap 3 – design tabellen

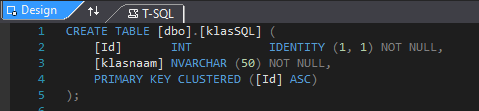


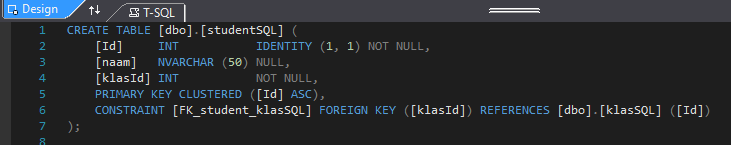
Opmerking identity column !

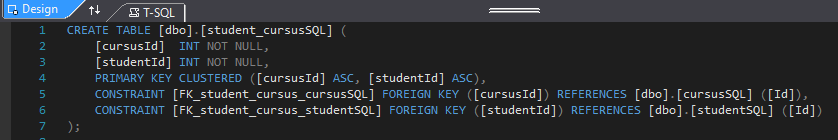


SQL statements

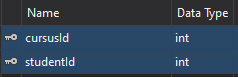


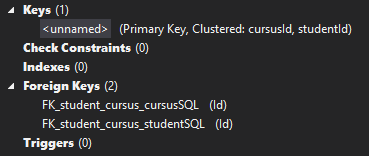


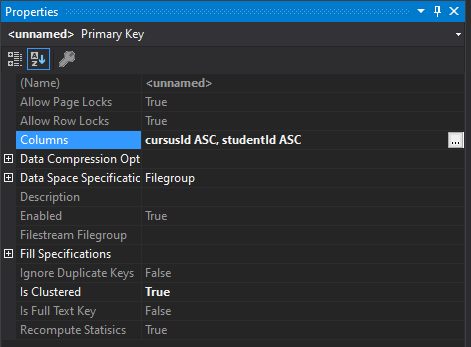


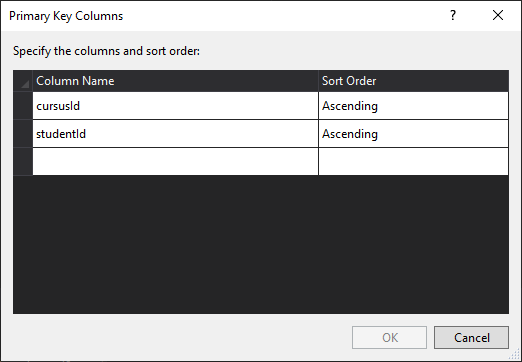


Opmerking : composite Key

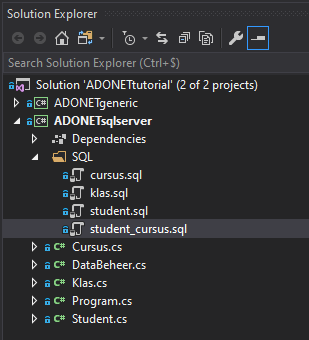




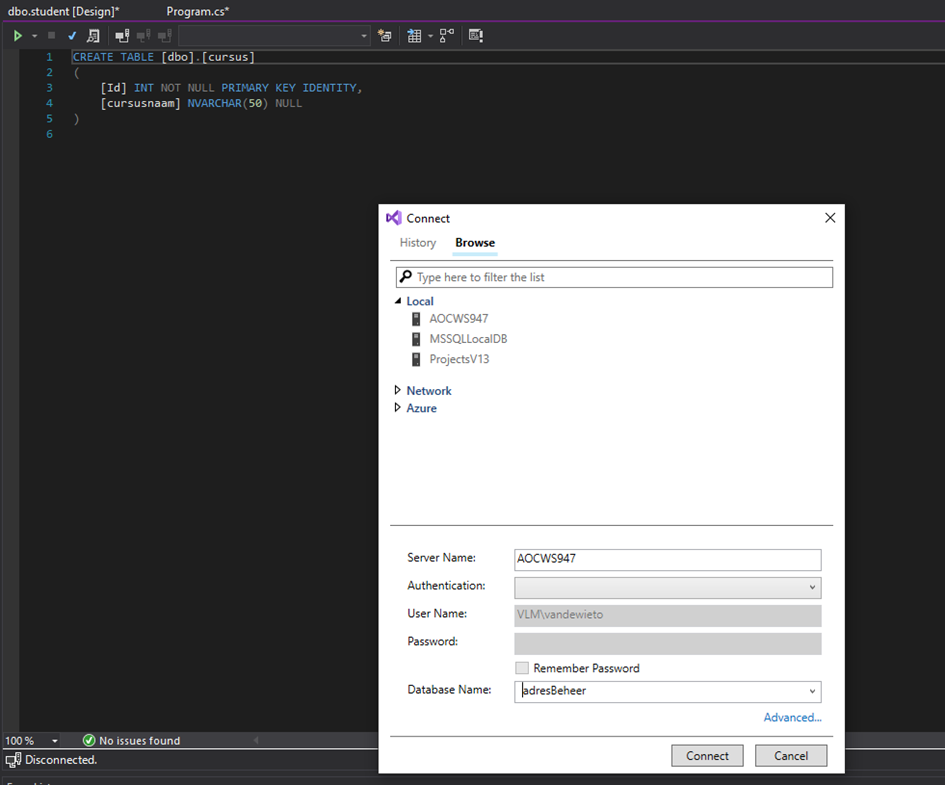


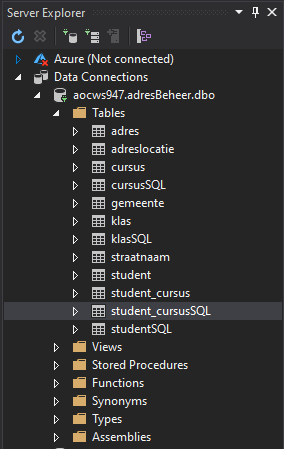


Opslaan SQL statements



Stap 4 – aanmaken tabellen in SQL Server

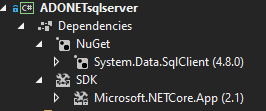




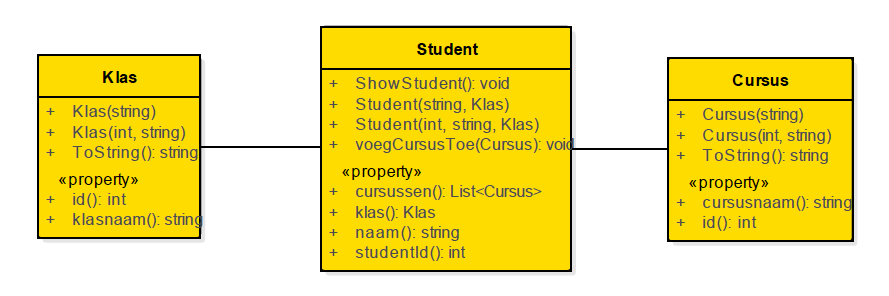
## SqlServer data provider

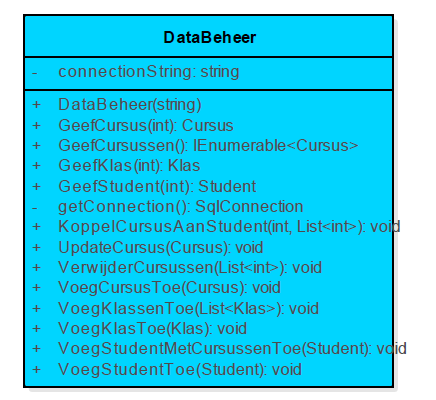
### Aanmaken project

* Add .Net Core project
* Dependencies

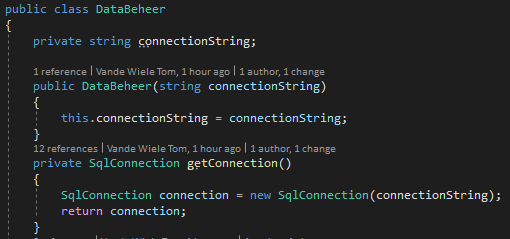


* Klassen

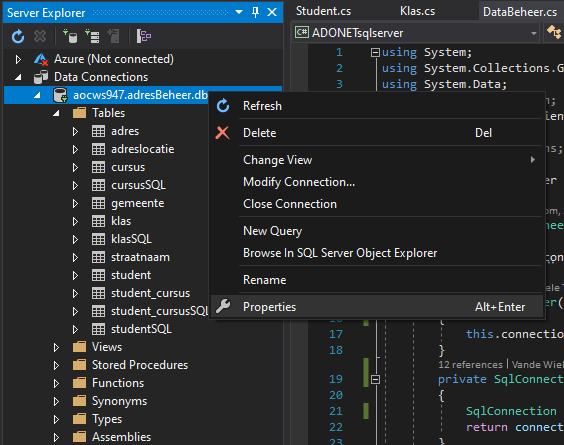


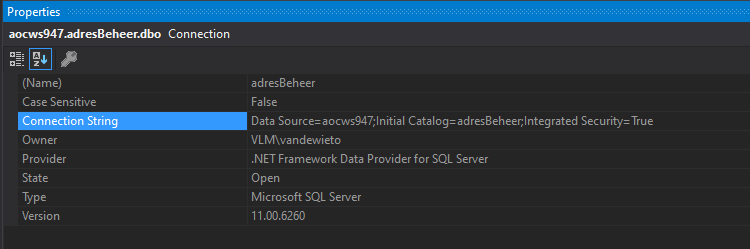


### Connection



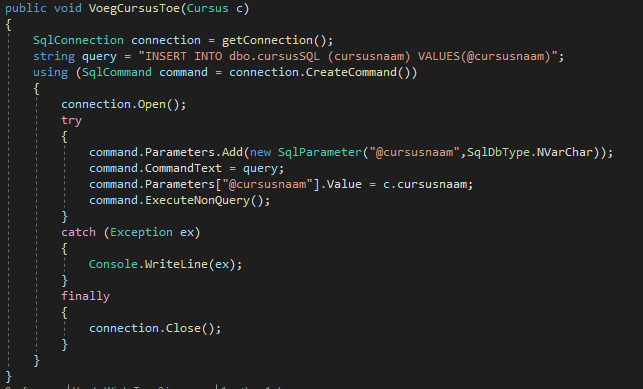
ConnectionString – selecteer properties in server beheer



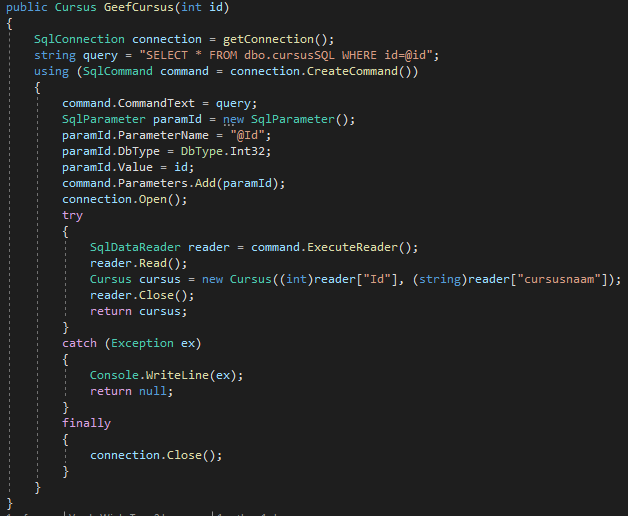


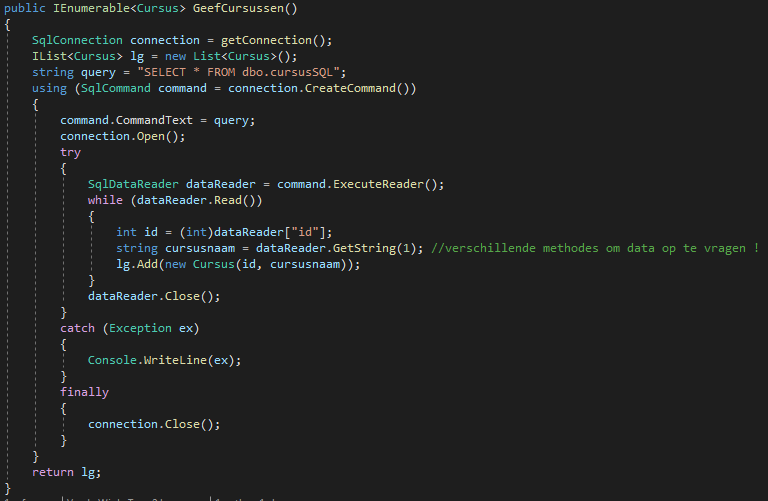
### Command en Parameters

#### Insert

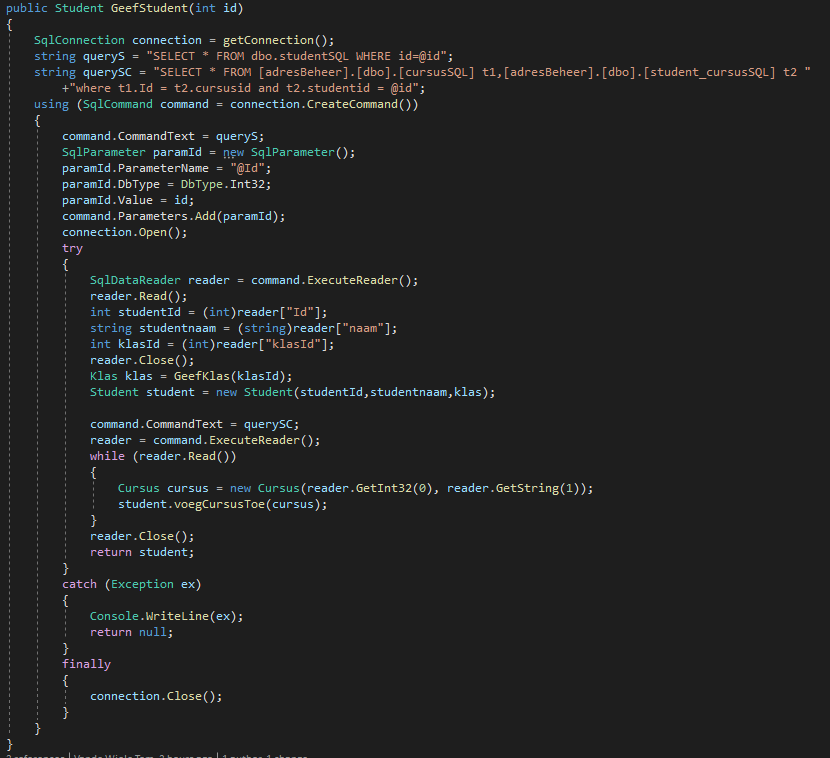


#### Datareader



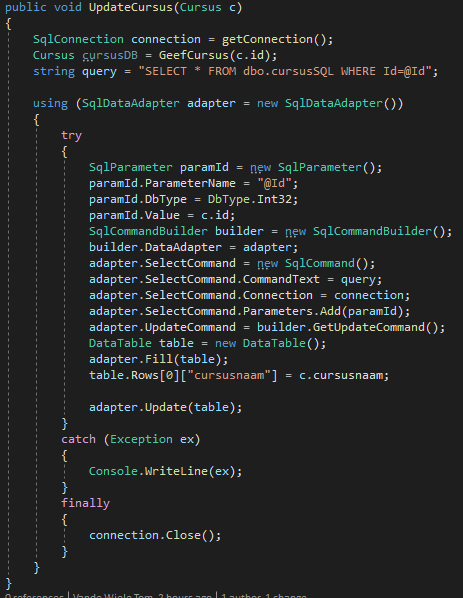


#### Query over meerdere tabellen

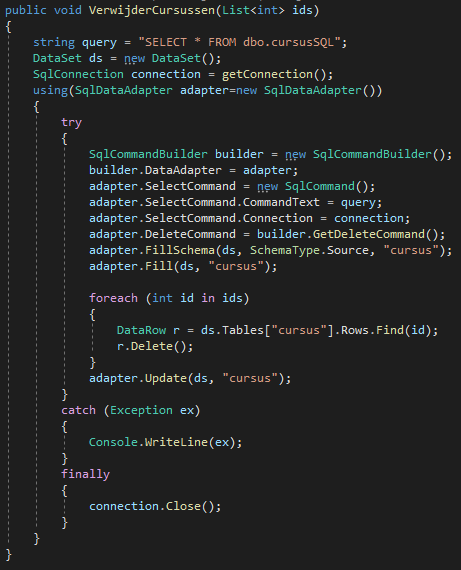


### Adapter en CommandBuilder

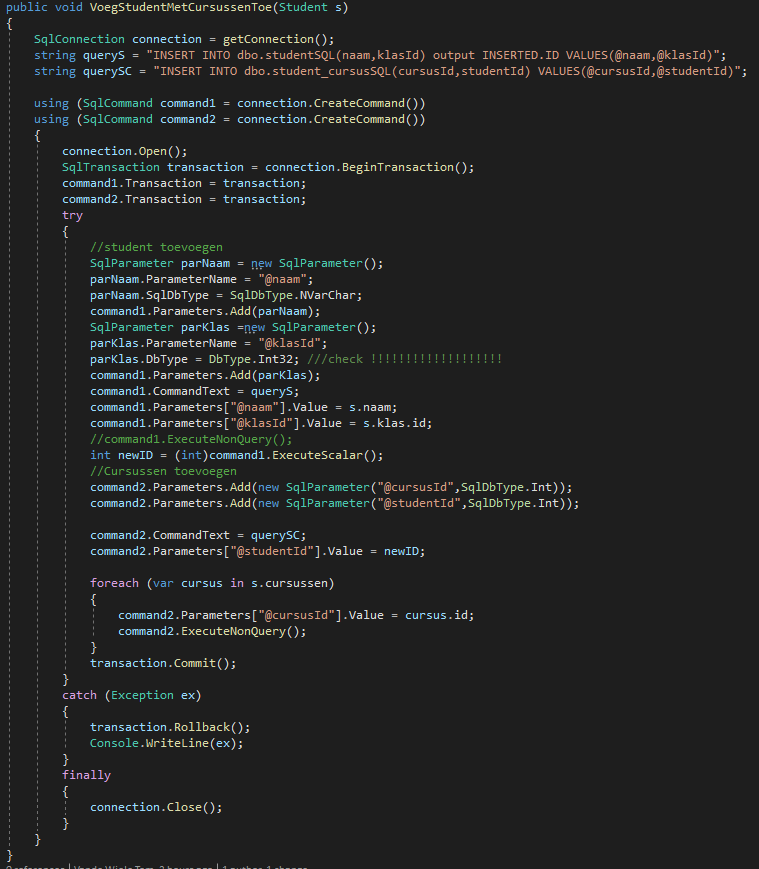
#### Update



#### Delete



### Transaction

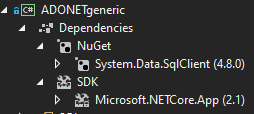


Opmerking : insert over meerdere tabellen met identity column !

## Generic

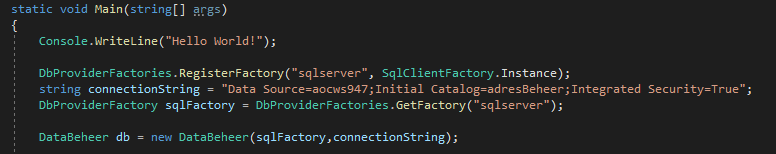
### Aanmaken project

* Add .Net Core project
* Dependencies

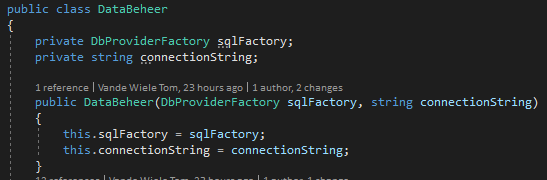


### DbProviderFactory

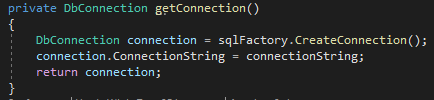
* Registreren van SqlClientFactory



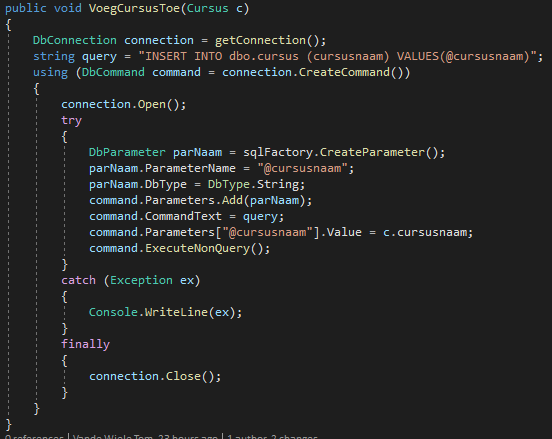
* Factory als parameter in constructor



### Connection



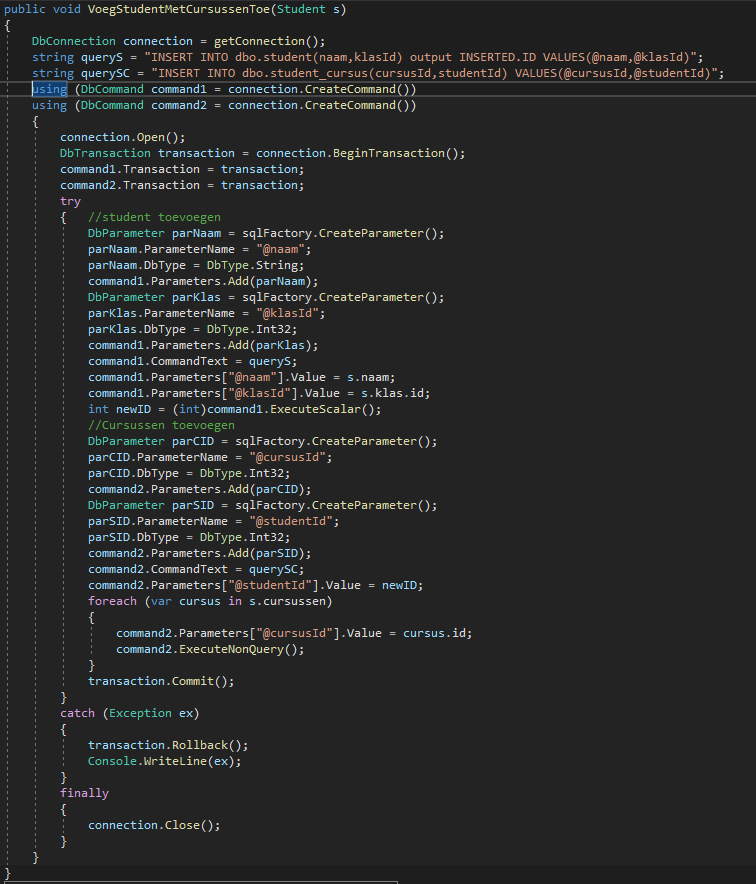
### Command en Parameters



### Adapter en CommandBuilder

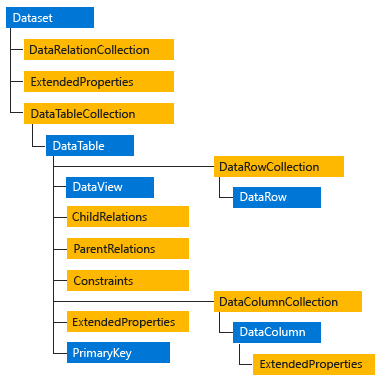


### Transaction



## DataSet

(<https://docs.microsoft.com/en-us/dotnet/framework/data/adonet/ado-net-architecture>)



## Opgave – adressen lezen en opslaan

