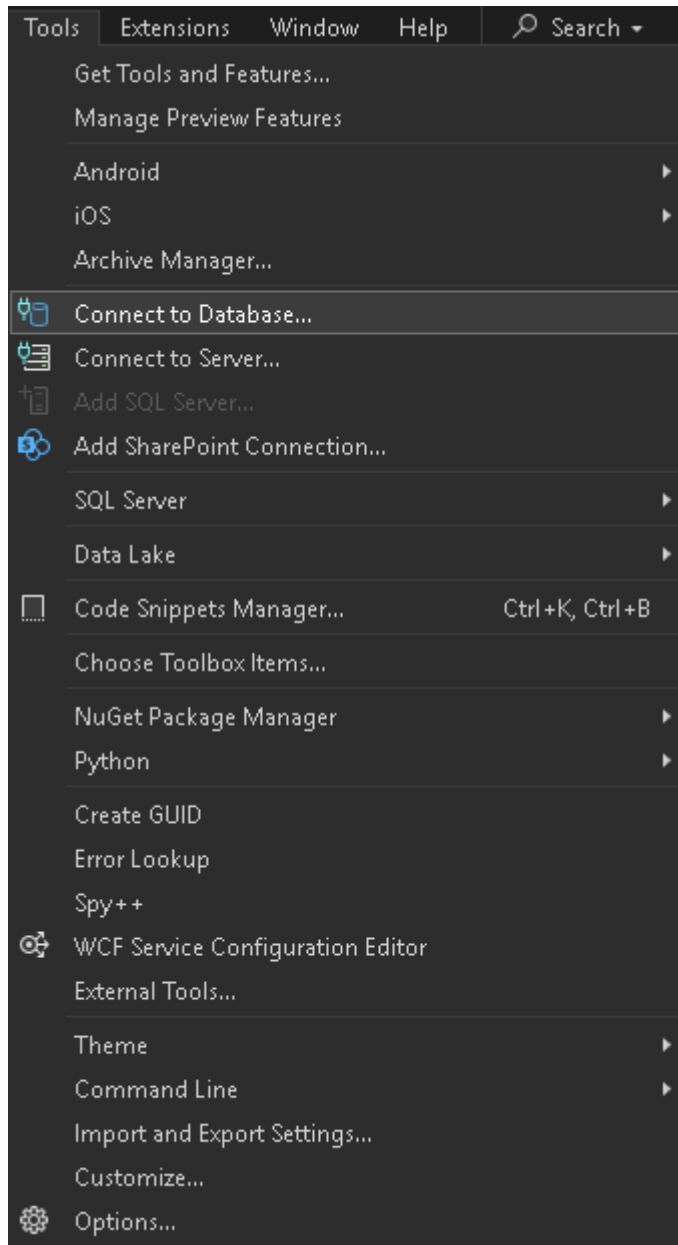


## Code-first ja Database first-migration

Artur Šein TARpe24

# Code-first

1. Vajutan **tools** ja valin **Connect to Database**



2. Sisestasin oma serveri nimi ja andmebaasi nime, siis vajutasin **OK**.

**Add Connection** ? X

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source:  
Microsoft SQL Server (SqlClient) Change...

Server name:  
.\\SQLEXPRESS Refresh

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Encrypt: Mandatory (True)

☒ Trust Server Certificate

☐ Save my password

Connect to a database

☒ Select or enter a database name:  
MyDatabase

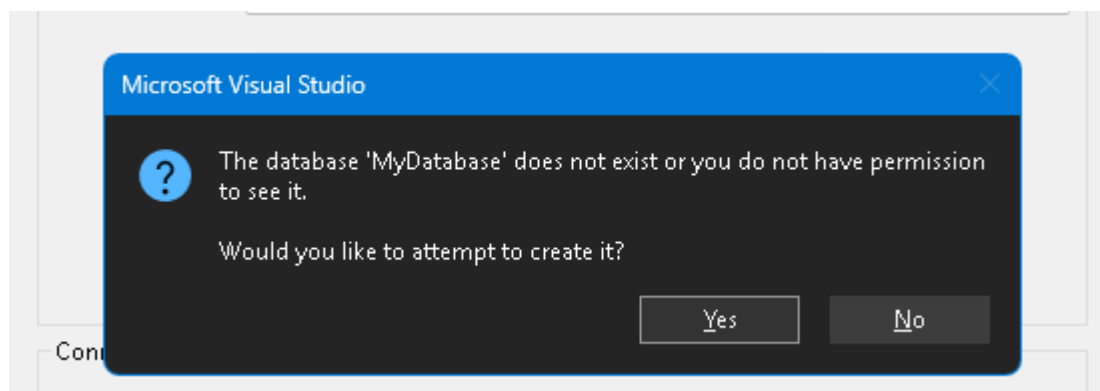
☐ Attach a database file:  
 Browse...

Logical name:

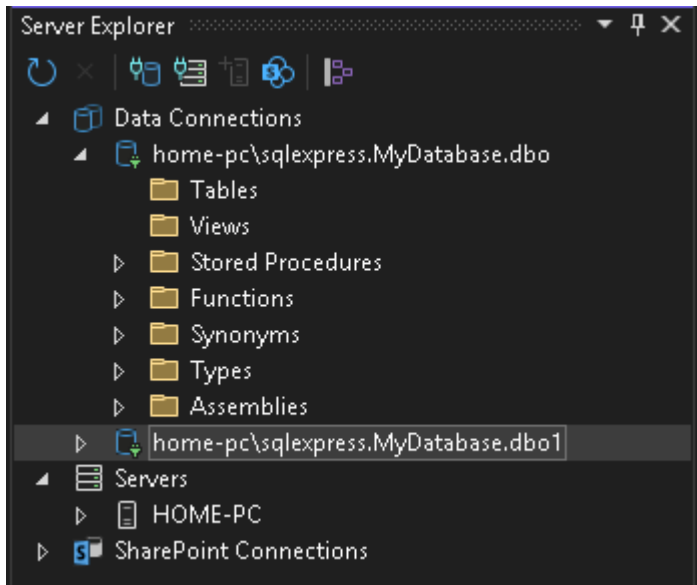
Advanced...

Test Connection OK Cancel

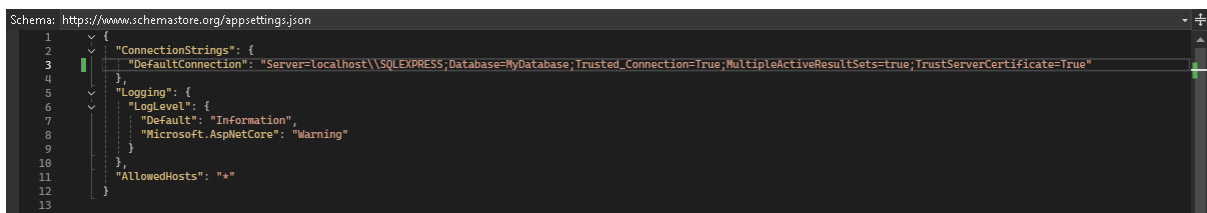
### 3. Valin Yes.



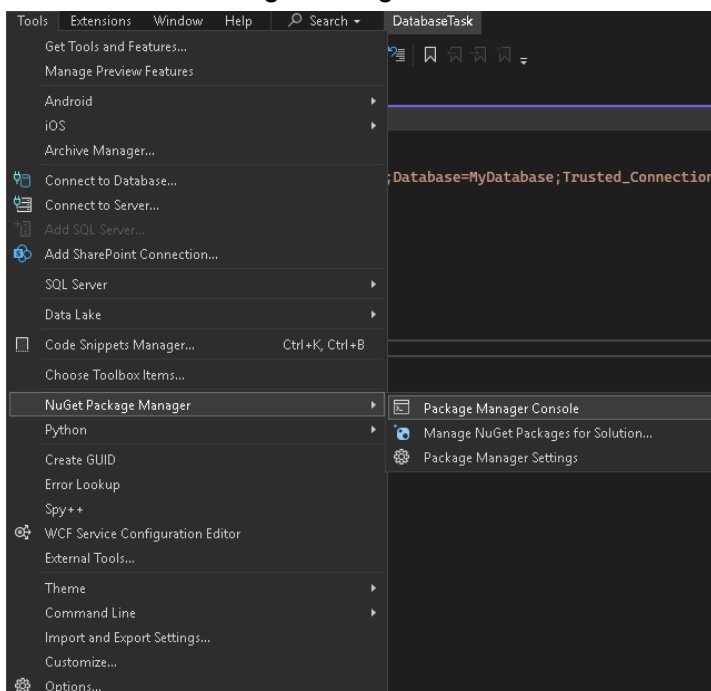
Sain selline andmebaasi, kus mitte midagi ei ole.



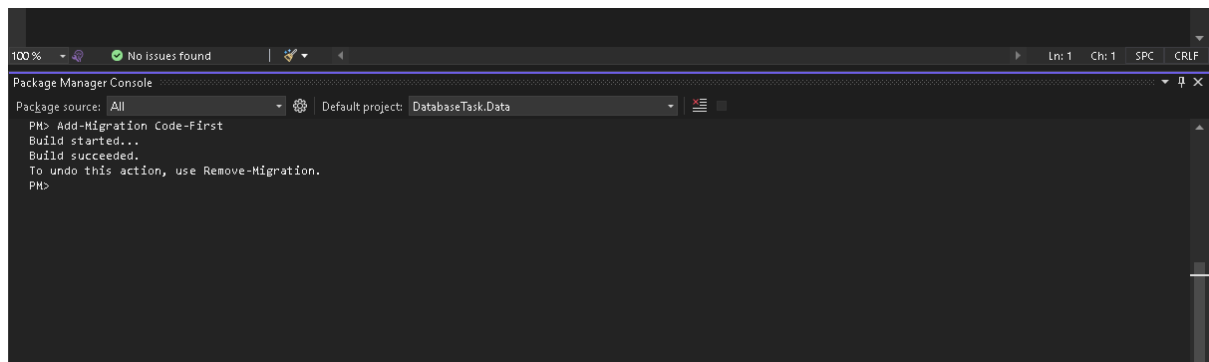
4. Failis 'appsetting.json' muudan server ja database. Veel lisan "TrustServerCertificate=True". Sain sellise rea:  
"Server=localhost\\SQLEXPRESS;Database=MyDatabase;Trusted\_Connection=true;MultipleActiveResultSets=true;TrustServerCertificate=True"



## 5. Avan "Package Manager Console"

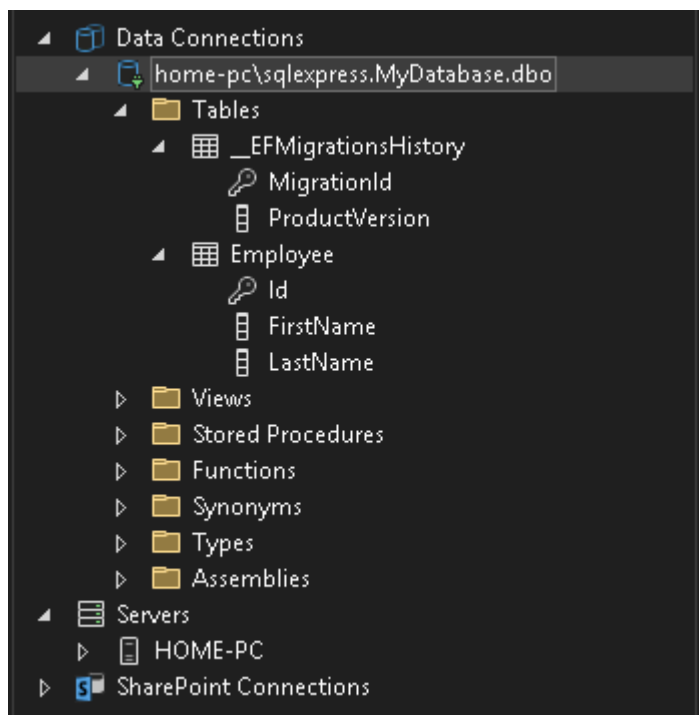


6. Default project valin "DatebaseTask.Data" ja kirjutan Add-Migration.



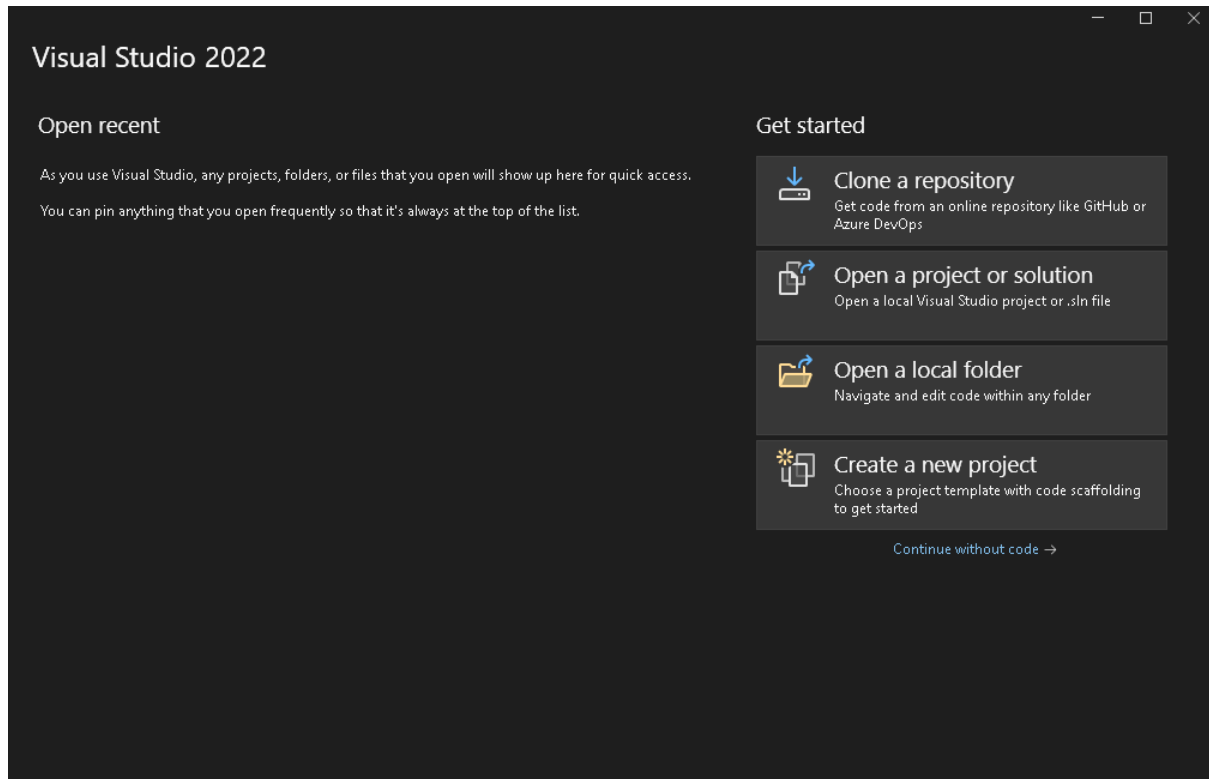
## 7. Viimaseks kirjutati "Update-database" ja sain tehtud kaks tabelit oma andmebaasis.

```
PM> update-database
Build started...
Build succeeded.
Microsoft.EntityFrameworkCore.Database.Command[20101]
  Executed DbCommand (16ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
  SELECT 1
Microsoft.EntityFrameworkCore.Database.Command[20101]
  Executed DbCommand (10ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
  SELECT OBJECT_ID(N'[_EFMigrationsHistory]');
Microsoft.EntityFrameworkCore.Database.Command[20101]
  Executed DbCommand (1ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
  SELECT 1
Microsoft.EntityFrameworkCore.Database.Command[20101]
  Executed DbCommand (2ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
  CREATE TABLE [_EFMigrationsHistory] (
    [MigrationId] nvarchar(150) NOT NULL,
    [ProductVersion] nvarchar(32) NOT NULL,
    CONSTRAINT [PK__EFMigrationsHistory] PRIMARY KEY ([MigrationId])
  );
Microsoft.EntityFrameworkCore.Database.Command[20101]
  Executed DbCommand (0ms) [Parameters=[], CommandType='Text', CommandTimeout='30']
```

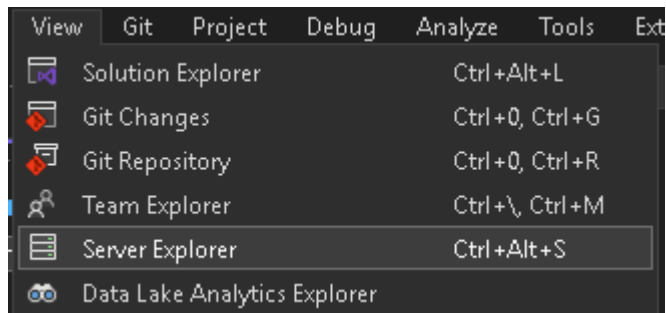


# Database-first migration

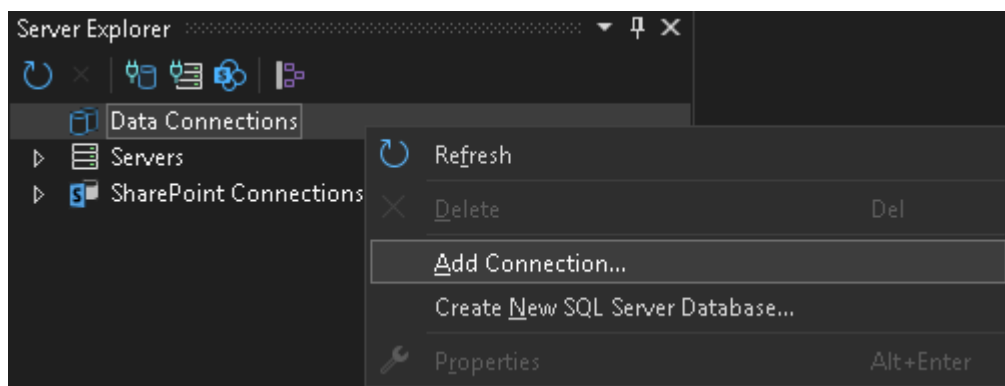
## 1. Avan visual studio ja vajutan "Continue without code"



## 2. Vajutan "View" ja "Server Explorer"



## 3. Lisan uue ühenduse



#### 4. Kirjutan oma serveri nimi ja loon uue andmebaasi

**Add Connection**

Enter information to connect to the selected data source or click "Change" to choose a different data source and/or provider.

Data source: Microsoft SQL Server (SqlClient) Change...

Server name: .\SQLEXPRESS Refresh

Log on to the server

Authentication: Windows Authentication

User name:

Password:

Encrypt: Mandatory (True)

☒ Trust Server Certificate

☐ Save my password

Connect to a database

☒ Select or enter a database name: DatabaseFirst.Blogging

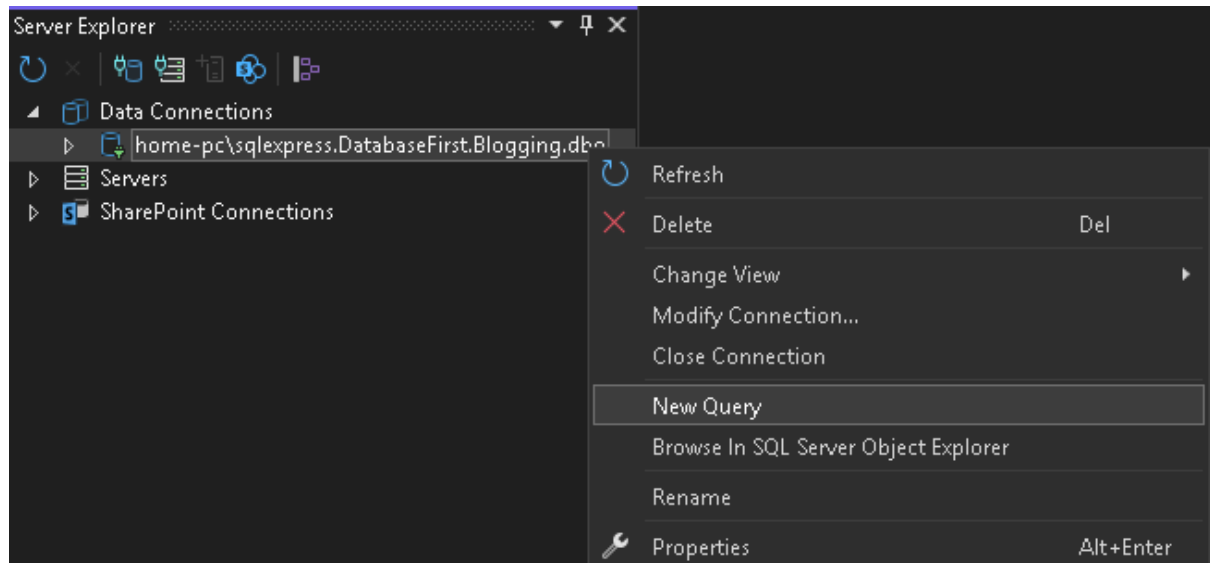
☐ Attach a database file:  Browse...

Logical name:

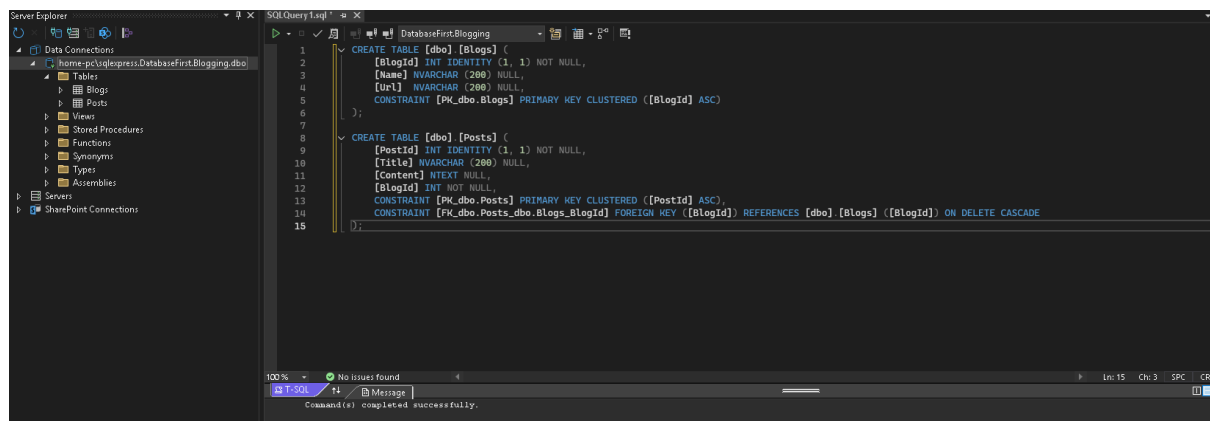
Advanced...

Test Connection OK Cancel

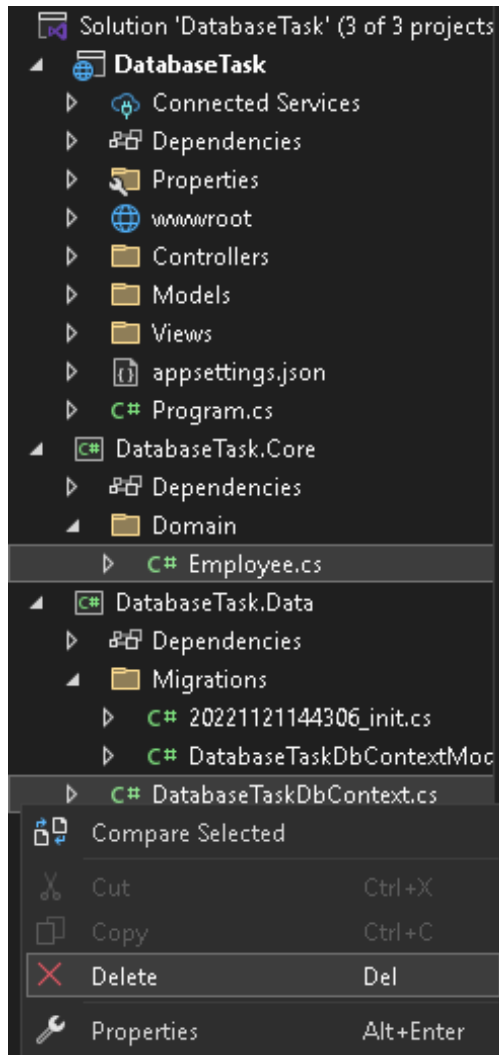
5. Nüüd server exploreris vajutan uue andmebaasile ja valin “New query”



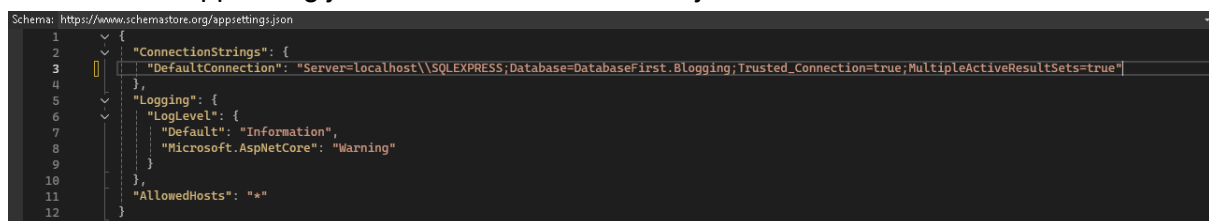
6. Loon uued tabelid.



7. Avan githubist alla laaditud projekt ja kustutan sealt Employee.cs

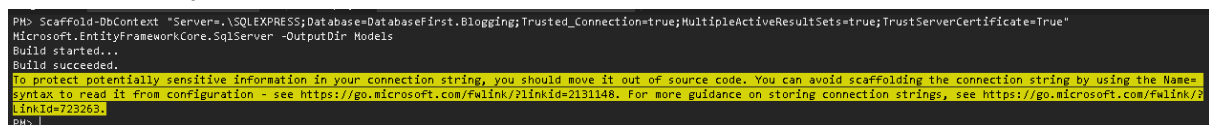


8. Avan "appsetting.json", seal vahetan "Server" ja "Database"



9. Avan "Package Manager Console" ja kirjutan seale - Scaffold-DbContext

"Server=.\\SQLEXPRESS;Database=DatabaseFirst.Blogging;Trusted\_Connection=true;MultipleActiveResultSets=true;TrustServerCertificate=True"  
Microsoft.EntityFrameworkCore.SqlServer -OutputDir Models





10. Sain tehtud kõik tabelid mis olid andmebaasis

