Kodutöö
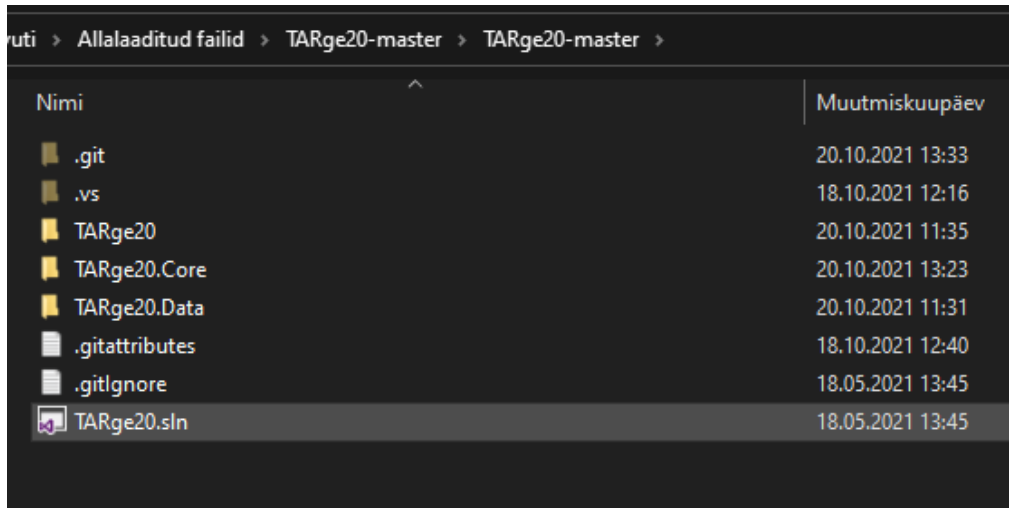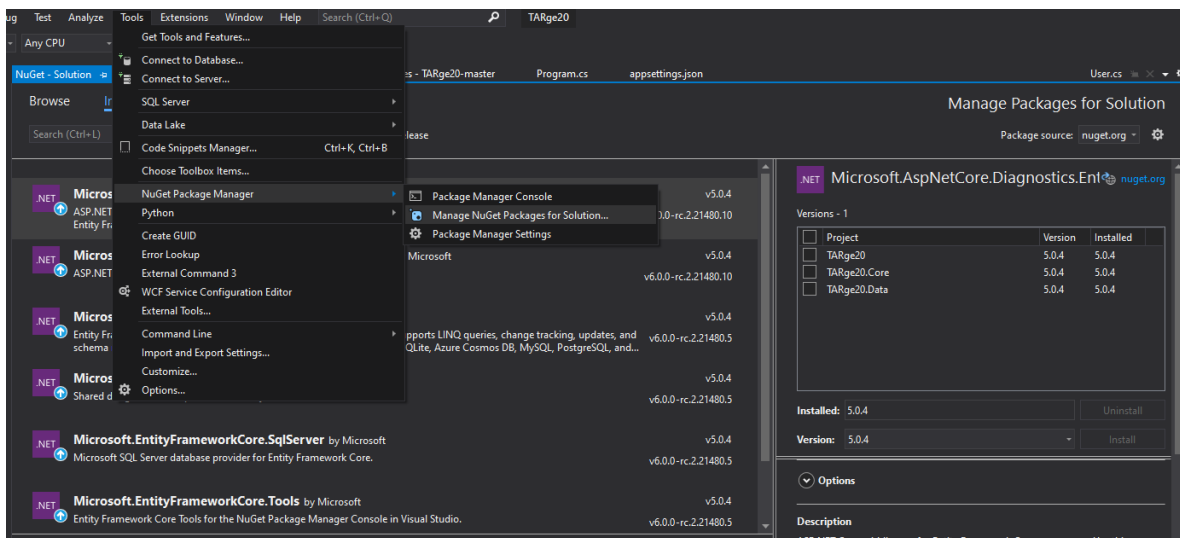**Teema: Code-first ja database-first Migration**
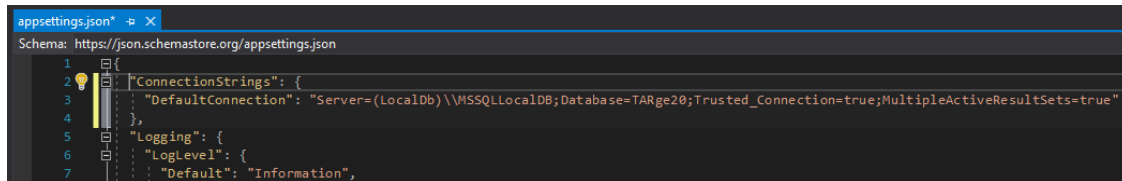
Part 1. Code First Migrations

1. Ava Visual Studio Solution fail.

2. Kontrollida, kas kõik NuGet Packages on installeeritud ja kasutavad sama versiooni. Soovitatav võtta Latest stable versioon. Tools→ NuGet Package Manager→ Manage →NuGet Packages for Solution.

3. Kontrollida appsettings.json alt, et Server name vastaks sinu arvutis olevaga. Selle leiab käivitades SQL Server Management Studio.
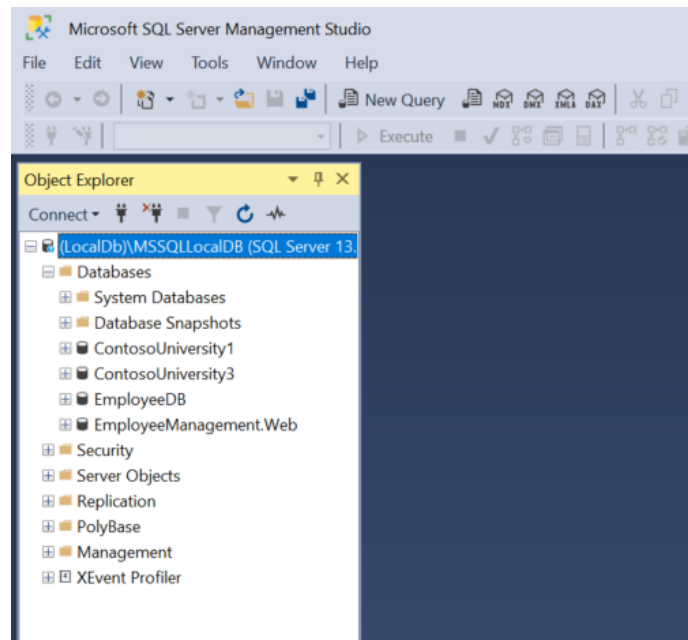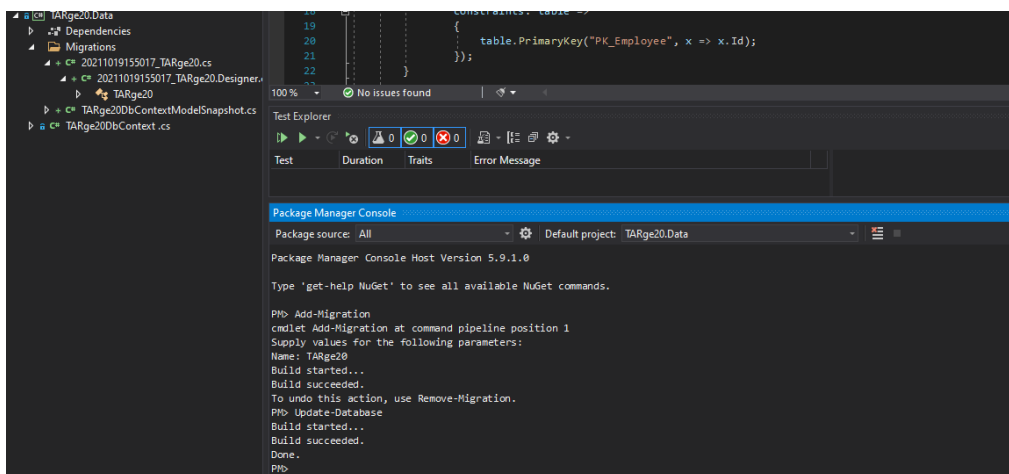
4. SQL Server Management Studios on näha andmebaase.

5. Code First Migratsioni tegemiseks peab avama Package Manager Console. View → Other Window →Package Manager Console
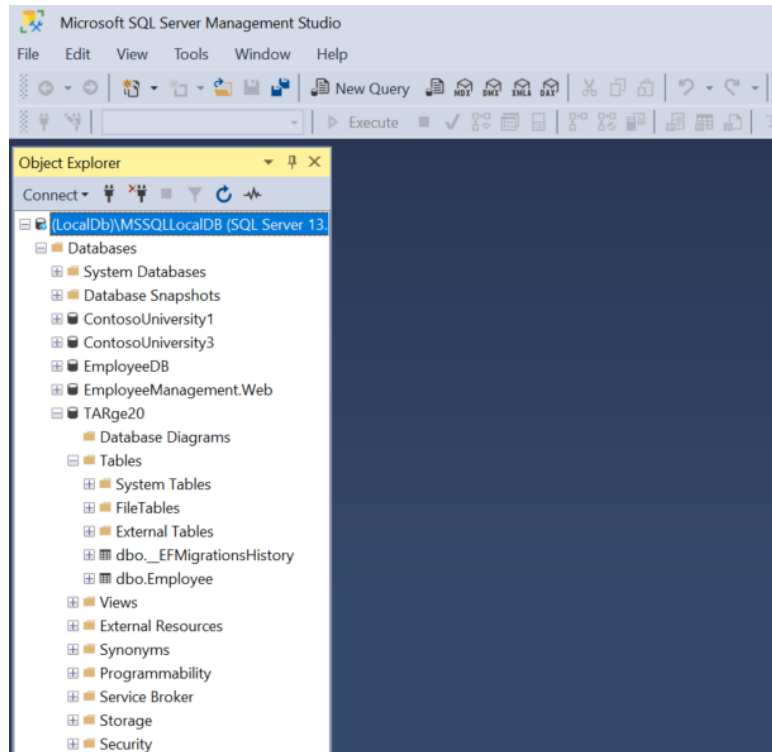
Default project: TARge20.Data

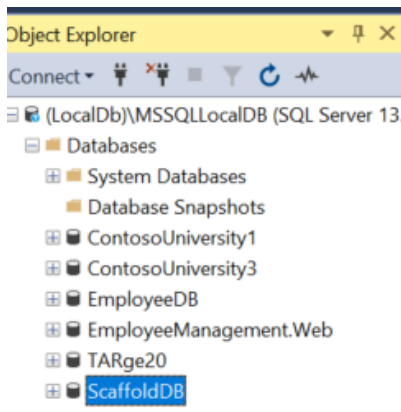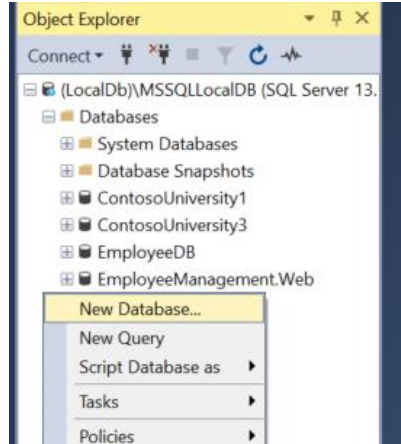Käsud, mida sisestada: **Add-Migration TARge20** ja **Update-Database**

Automaatselt tekkis **Migrations** kaust, mis automaatselt genereeritud.

6. SQL Server Management tuleb nüüd värskendada vajutades F5. Tekkis uus andmebaas nimega TARge20.
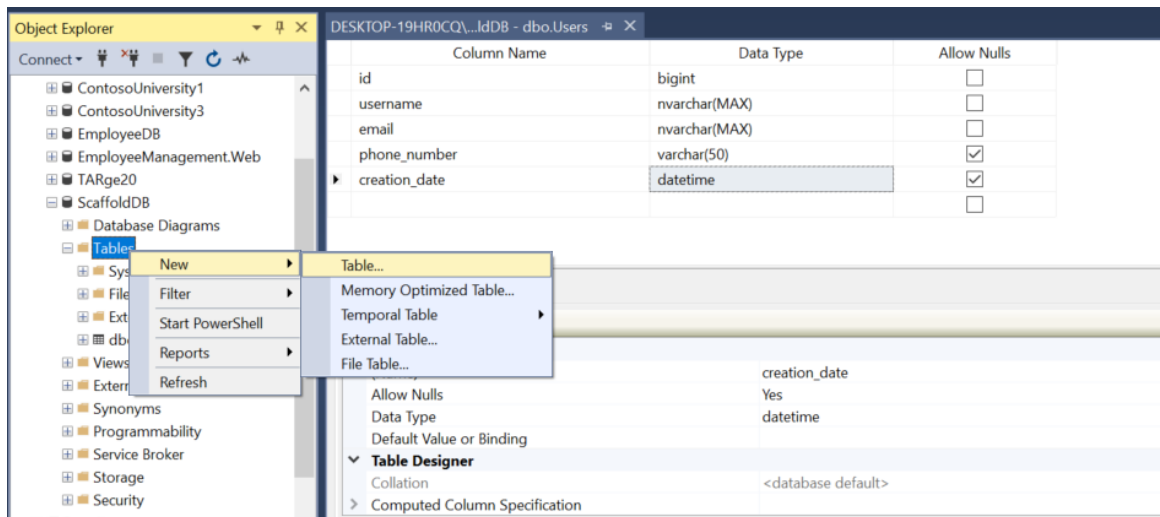
Part 2. Database First Migration

1. Teen SQL Server Managementi uue andmebaasi nimega **ScaffoldDB.** Vajutades **New Database** ja panen sellele nime.

2. Lisan Table alla uue tabeli **Users** ja täidan selle nagu pildil näidatud.

3. Tagasi Visual Studiosse, võib kustutada Migratsioni kausta, Employee.cs ja TARge20DbContext.cs.

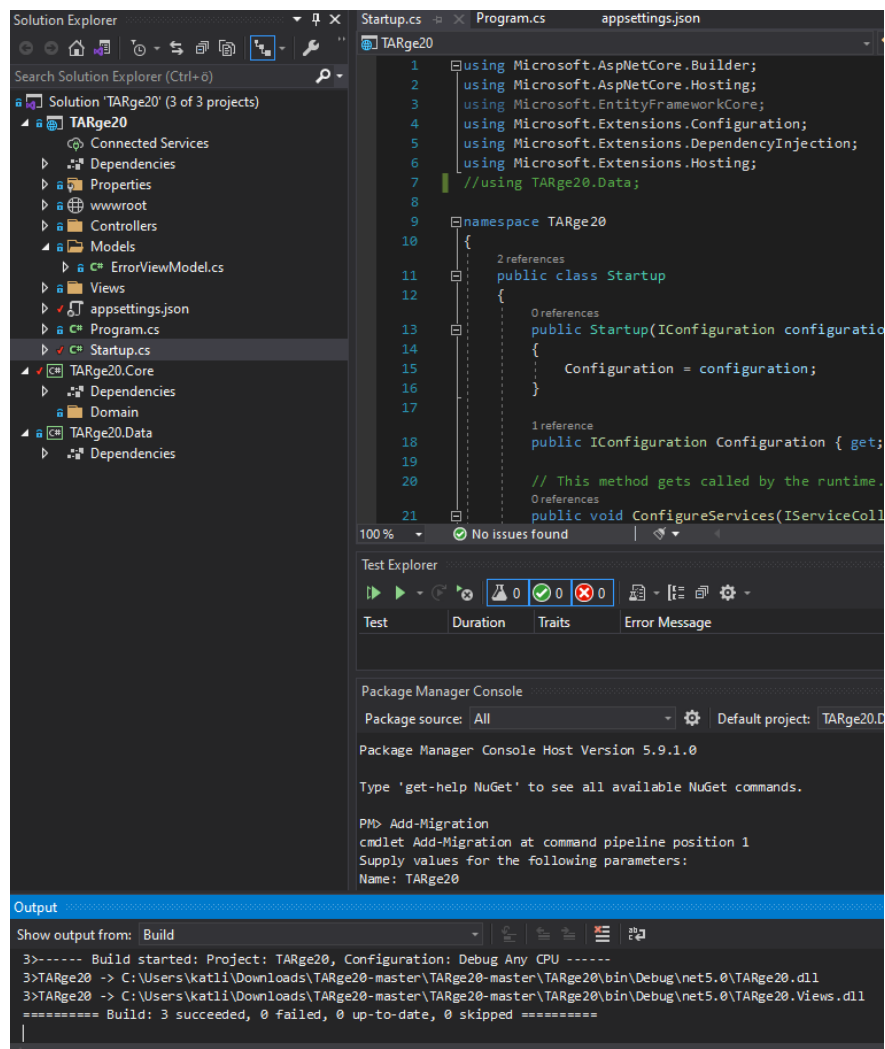Lisaks kommenteerida välja appsettings.sjon lehel ConnectionsStrings:

```
//"ConnectionStrings": {
//    "DefaultConnection":
"Server=(LocalDb)\\MSSQLLocalDB;Database=TARge20;Trusted_Connection=true;MultipleActiveResultSets=true"
//},
```

Lisaks kommenteerida välja Startup.cs lehel
//using TARge20.Data;

```
//services.AddDbContext<TARge20DbContext>(options =>
    //options.UseSqlServer(Configuration.GetConnectionString("DefaultConnection")));
```

Vajutada Build Solution. Ctrl+Shift+B

4. Avade uuesti Package Manager Console. View → Other Window →Package Manager Console.

Ja sisestada sinna **käsk**: PM> Scaffold-DbContext PM> Scaffold-DbContext "Server=(LocalDb)\MSSQLLocalDB;Database=ScaffoldDB;Trusted_Connection=true;Multiple ActiveResultSets=true" Microsoft.EntityFrameworkCore.SqlServer -d -OutputDir Models

NB! Vaadata üle Database nimi, Serveri nimi ja Default project: minul TARge20Core.