Create Database approach with multiple tables.

Step1:- create database

CREATE DATABASE University

Step2:-

--student table

CREATE TABLE [dbo].[Student] (

[StudentID] INT IDENTITY (1, 1) NOT NULL,

[LastName] NVARCHAR (50) NULL,

[FirstName] NVARCHAR (50) NULL,

[EnrollmentDate] DATETIME NULL,

PRIMARY KEY CLUSTERED ([StudentID] ASC)

)

--course table

CREATE TABLE [dbo].[Course] (

[CourseID] INT IDENTITY (1, 1) NOT NULL,

[Title] NVARCHAR (50) NULL,

[Credits] INT NULL,

PRIMARY KEY CLUSTERED ([CourseID] ASC)

)

--enrollment table

CREATE TABLE [dbo].[Enrollment] (

[EnrollmentID] INT IDENTITY (1, 1) NOT NULL,

[Grade] DECIMAL(3, 2) NULL,

[CourseID] INT NOT NULL,

[StudentID] INT NOT NULL,

PRIMARY KEY CLUSTERED ([EnrollmentID] ASC),

CONSTRAINT [FK\_dbo.Enrollment\_dbo.Course\_CourseID] FOREIGN KEY ([CourseID])

REFERENCES [dbo].[Course] ([CourseID]) ON DELETE CASCADE,

CONSTRAINT [FK\_dbo.Enrollment\_dbo.Student\_StudentID] FOREIGN KEY ([StudentID])

REFERENCES [dbo].[Student] ([StudentID]) ON DELETE CASCADE

)

Step2:- To create a new mvc app with dotnet cli

*dotnet new mvc –o DbFirst*Approachkk

step3:- install those packages using dotnet cli.

*dotnet add package Microsoft.EntityFrameworkCore*

*dotnet add package Microsoft.EntityFrameworkCore.Design*

*dotnet add package Microsoft.EntityFrameworkCore.SqlServer*

step3:- Once the packages are installed, create dbcontext for our application.

public partial class DbFirstContext : DbContext

{

public DbFirstContext()

{

}

public DbFirstContext(DbContextOptions<DbFirstContext> options)

: base(options)

{

}

}

Step4:- Enter the following command for scaffolding. In CLI

*dotnet ef dbcontext scaffold "Server=VIVOBOOK\SQLEXPRESS;Database=University;Trusted\_Connection=True;" Microsoft.EntityFrameworkCore.SqlServer -o Models*

Created model files are



Step5:- In the “**Add New Scaffolded Item**” dialog that appears, select “**MVC Controller with views, using Entity Framework**” option.Click on the “**Add**” button to proceed.

--------------enjoy your code-------------

<https://medium.com/@sathasivamthirumoorthi/crud-operations-in-entity-framework-core-using-database-first-approach-d54c0e7e346>