EF - Code First Workflow

-add using System.Data.Entity;

-create class
```
   public partial class Post
   {
       public int PostID { get; set; }
       public string Title { get; set; }
       public string Body { get; set; }
       public System.DateTime DatePublished { get; set; }
   }
```
(looks exactly the 1 that entity framework generated for database first workflow.)

-Create BlogDbContext
```
public class BlogDbContext : DbContext {
       public DbSet<Post> Posts { get; set; }
   }
```

-specify connection string in the database
Go to App.config
```
 <connectionStrings>
        <add name="BlogDbContext" connectionString="data souce=\SQLEXPRESS; initial
catalog=CodeFirstDemo; integrated security=SSPI" providerName="System.Data.SqlClient"/>
</connectionStrings>
```

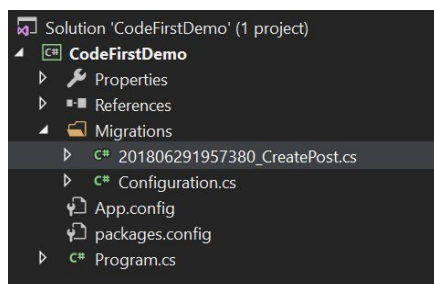-Go to package management console: enable code first migrations
PM>enable migrations
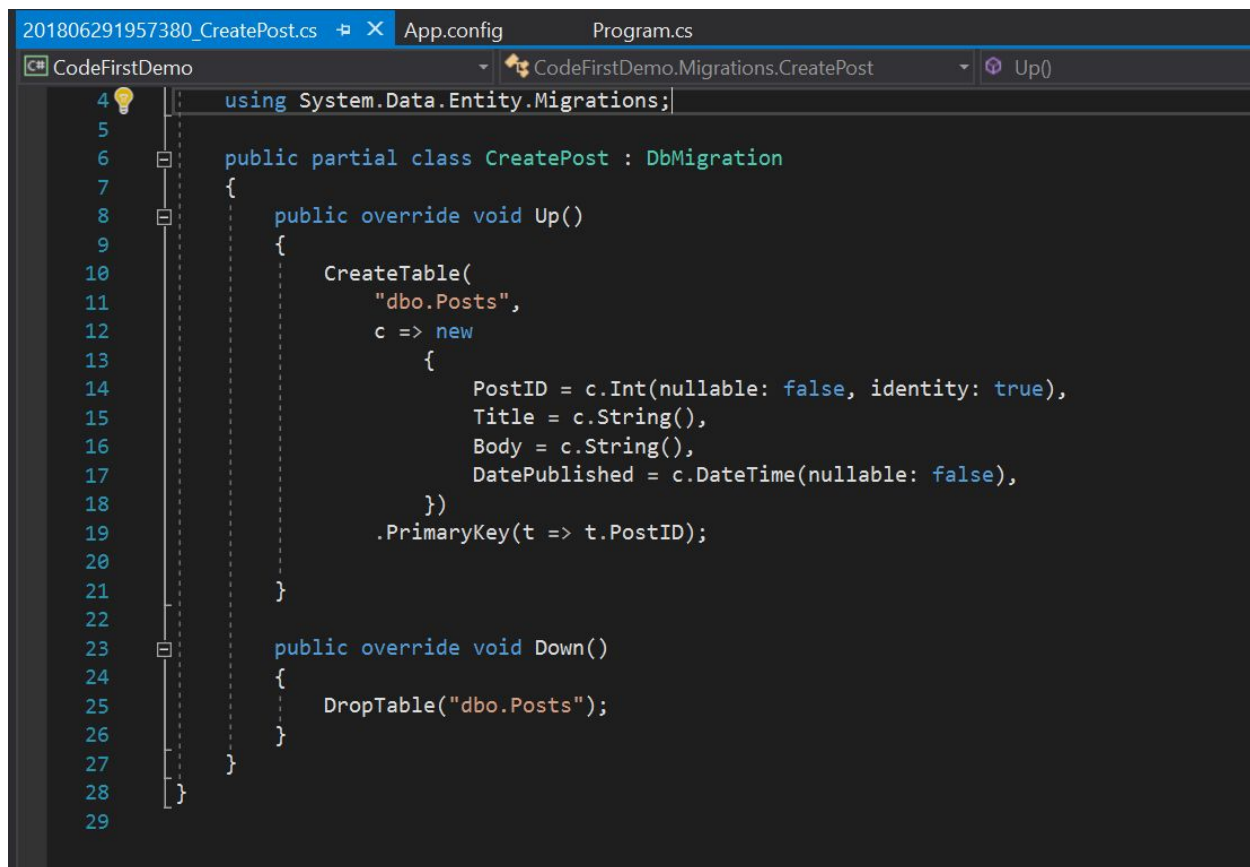PM>add-migration CreatePost

```
PM> add-migration CreatePost
Scaffolding migration 'CreatePost'.
The Designer Code for this migration file includes a snapshot of your current Code First model. This snapshot is used to calculate the changes to your model when you scaffold the
next migration. If you make additional changes to your model that you want to include in this migration, then you can re-scaffold it by running 'Add-Migration CreatePost' again.
PM>
```

-Go to solution explorer>Migrations(folder)>datetimestamp_CreatePost.cs
This files include up and down method (auto generated)

```
Solution 'CodeFirstDemo' (1 project)
    CodeFirstDemo
        Properties
        References
        Migrations
            201806291957380_CreatePost.cs
            Configuration.cs
        App.config
        packages.config
        Program.cs
```
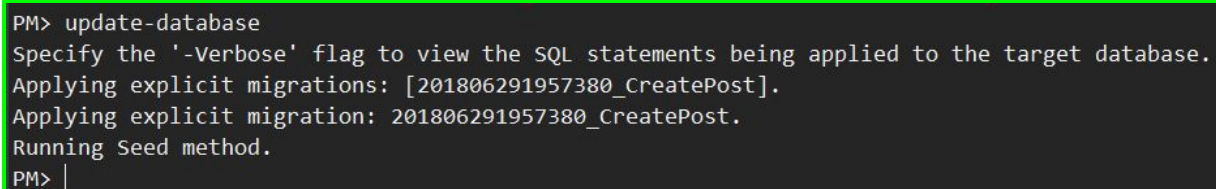
Up-CreateTable

```
201806291957380_CreatePost.cs    ┼ ✕  App.config        Program.cs
C# CodeFirstDemo                        ⬛ CodeFirstDemo.Migrations.CreatePost      ▾ ⬤ Up()
     4💡  ┃   using System.Data.Entity.Migrations;
     5    ┃
     6 ⊟  ┃   public partial class CreatePost : DbMigration
     7    ┃   {
     8 ⊟  ┃       public override void Up()
     9    ┃       {
    10    ┃           CreateTable(
    11    ┃               "dbo.Posts",
    12    ┃               c => new
    13    ┃                   {
    14    ┃                       PostID = c.Int(nullable: false, identity: true),
    15    ┃                       Title = c.String(),
    16    ┃                       Body = c.String(),
    17    ┃                       DatePublished = c.DateTime(nullable: false),
    18    ┃                   })
    19    ┃               .PrimaryKey(t => t.PostID);
    20    ┃
    21    ┃       }
    22    ┃
    23 ⊟  ┃       public override void Down()
    24    ┃       {
    25    ┃           DropTable("dbo.Posts");
    26    ┃       }
    27    ┃   }
    28    ┃ }
    29
```

-Go to package management console
PM>Update-Database

```
PM> update-database
Specify the '-Verbose' flag to view the SQL statements being applied to the target database.
Applying explicit migrations: [201806291957380_CreatePost].
Applying explicit migration: 201806291957380_CreatePost.
Running Seed method.
PM>
```

-Go to management studio
No need to manually create database
In table folders theres Post table and MigrationHistory table