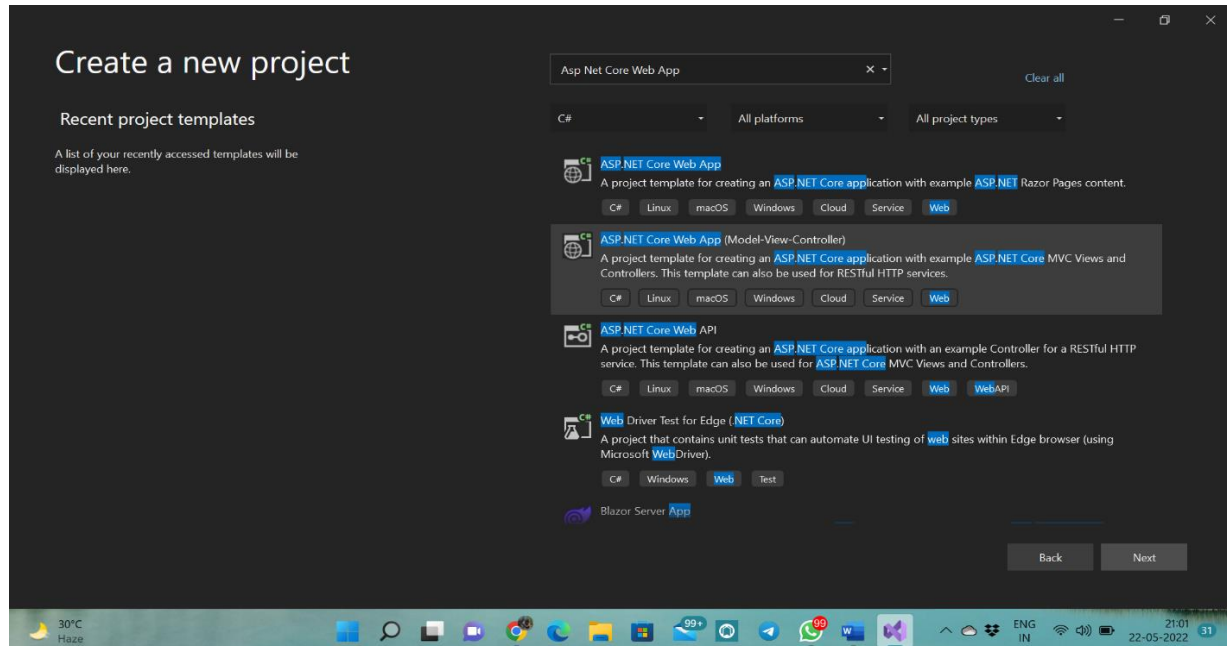
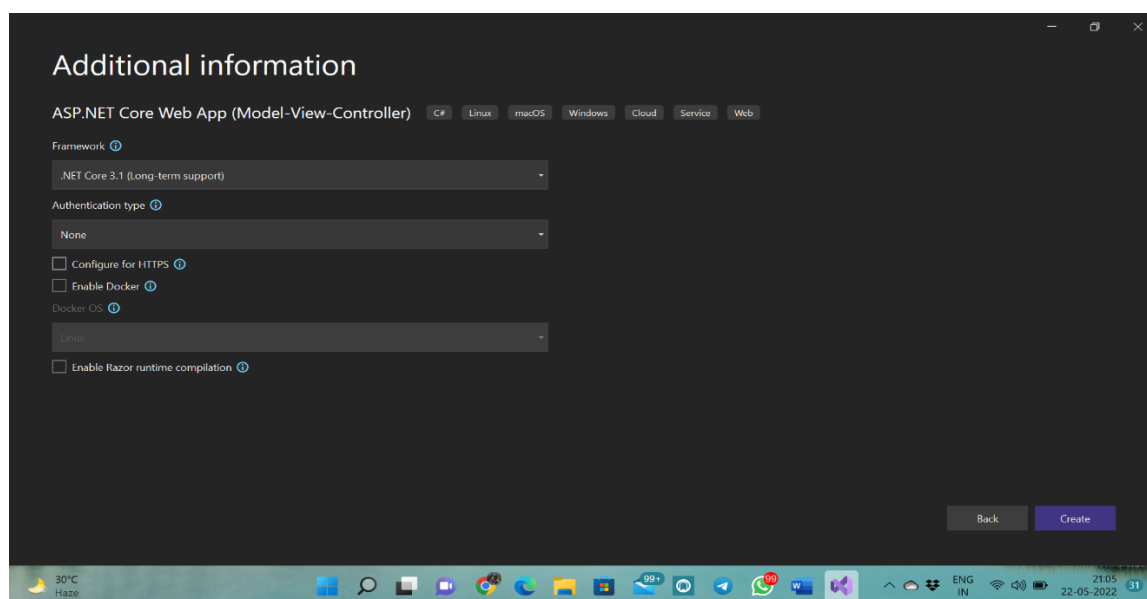


Steps for ASP-NET-CORE-MVC

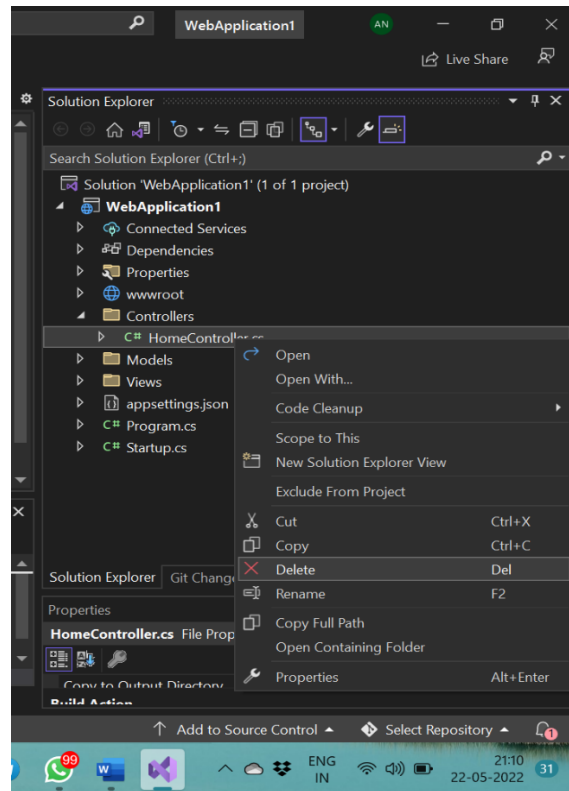
- Add new project **Asp Net Core Web App (Model View Controller)**



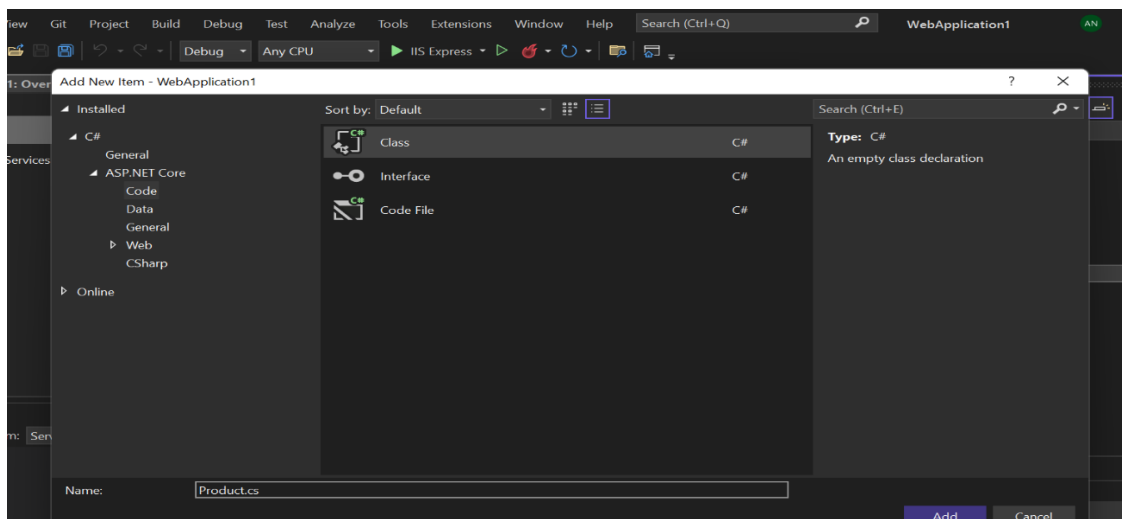
- Name the Project Name **Version .Net 3.1 - Framework and Unchecked Http.**



- In Visual Studio after creating project Remove unwanted files :
(Controller=> Home Controller(delete) and Models=>ErrorViewModels(delete)).



- The Right click project name add a new folder models create a class **(product.cs).**

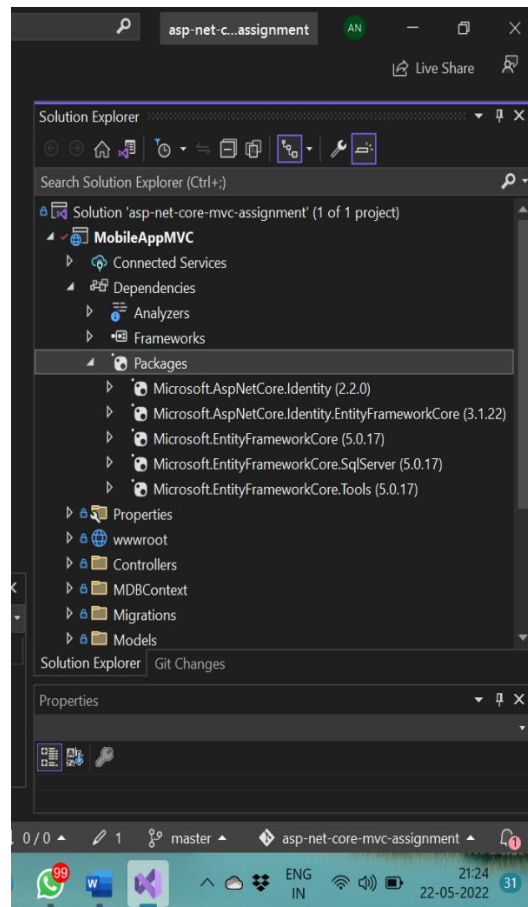


- a. Install the following packages (version 5.0.17 as we are using .net core 3.1 framework).

Microsoft.EntityFrameworkCore

Microsoft.EntityFrameworkCore.SqlServer

Microsoft.EntityFrameworkCore.Tools



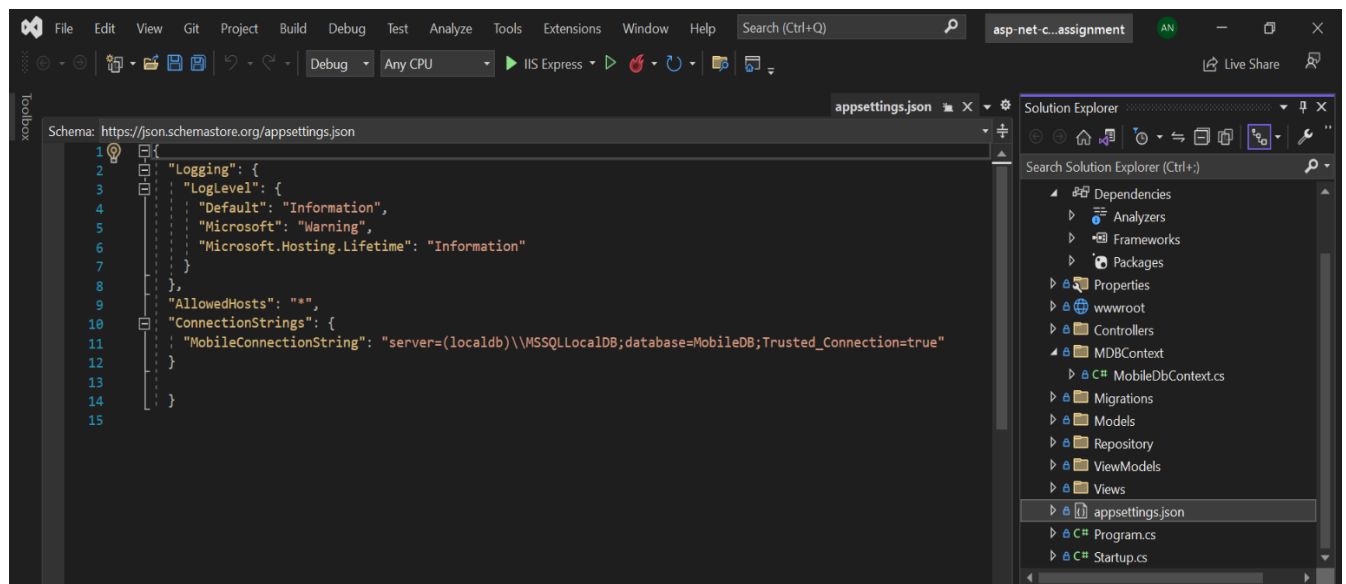
- Create a class which inherits from **DbContext**. (**DbContext** is coming from **Microsoft.EntityFrameworkCore** namespace)
- Create a constructor with parameters **(DbContextOptions<yourdbcontextclass> options):base(options)**

- Define the DbSet

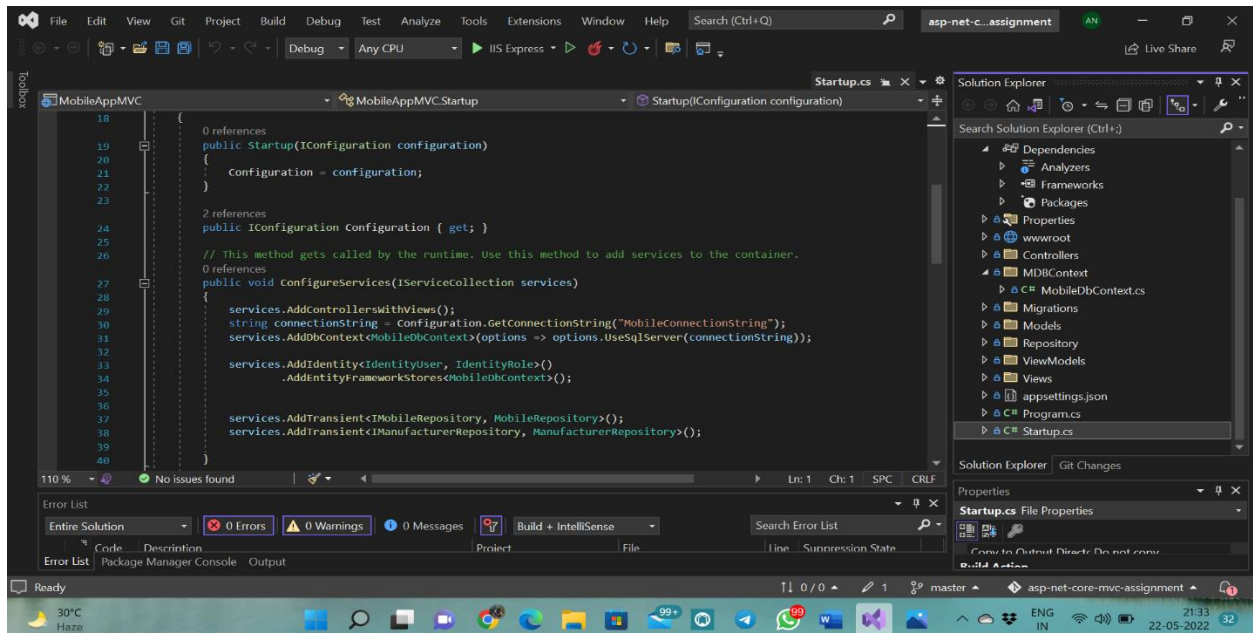
```
{
    0 references
    public MobileDbContext(DbContextOptions<MobileDbContext> options) : base(options)
    {
    }
    1 reference
    public DbSet<Manufacturer> MobileCategory { get; set; }

    7 references
    public DbSet<Mobile> Mobiles { get; set; }
}
```

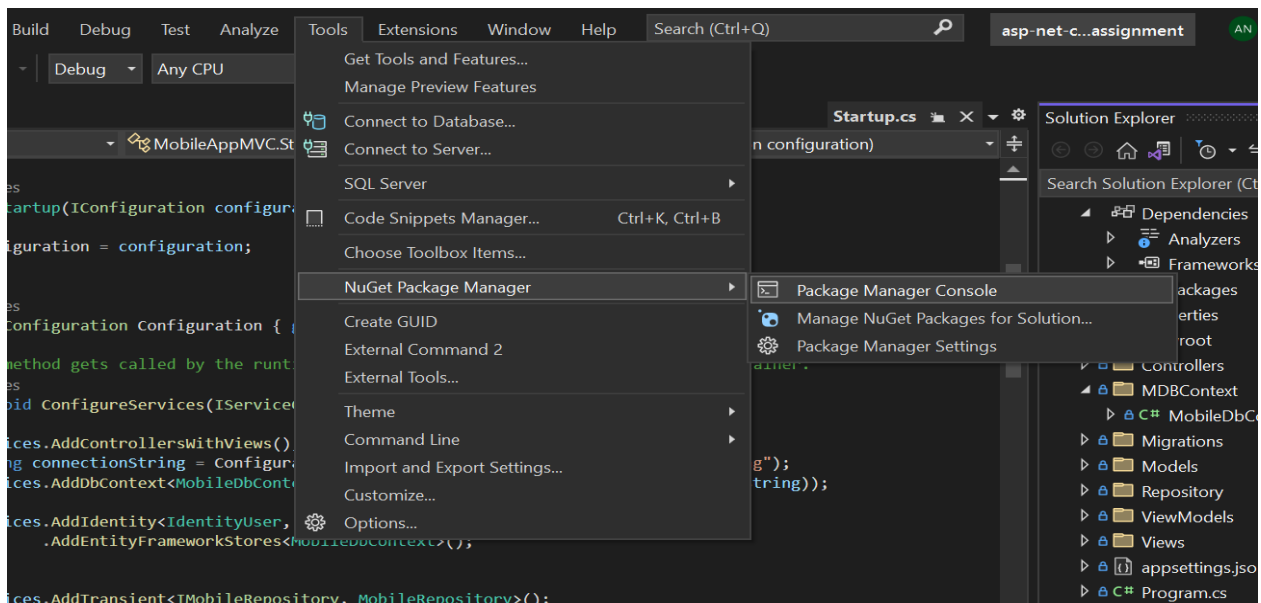
- Define the connection string in appsettings.json.
server=(localdb)\\<yourservername>;database=<yourdbname>;Trusted_Connection=true



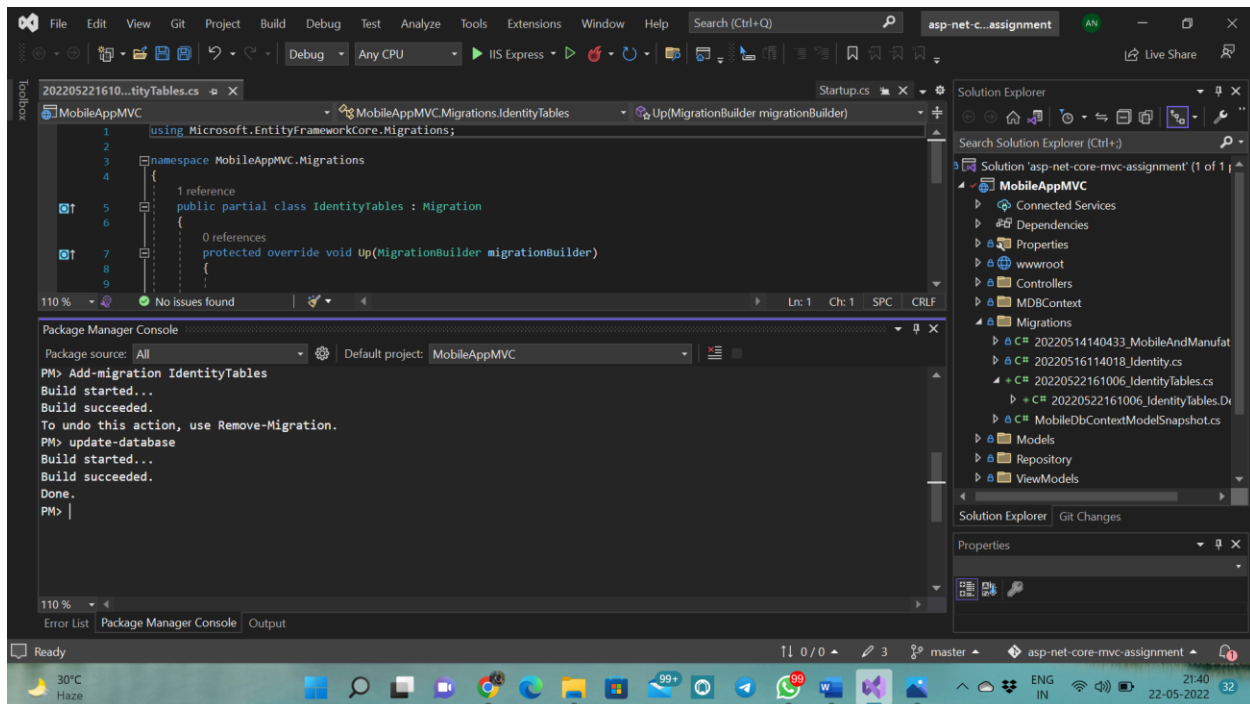
- Register the Dbcontext in configureservices method.



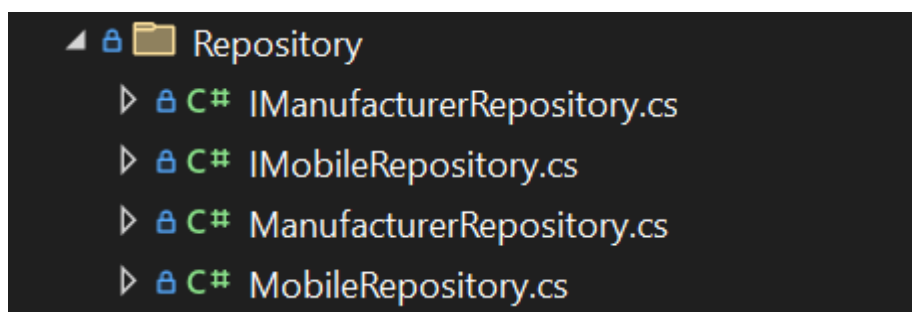
- In visual Studio, in Tools Option top of the Navigation bar Select and Open Package manager console from the tools menu ->Nuget Package Manager ->Package Manager Console.



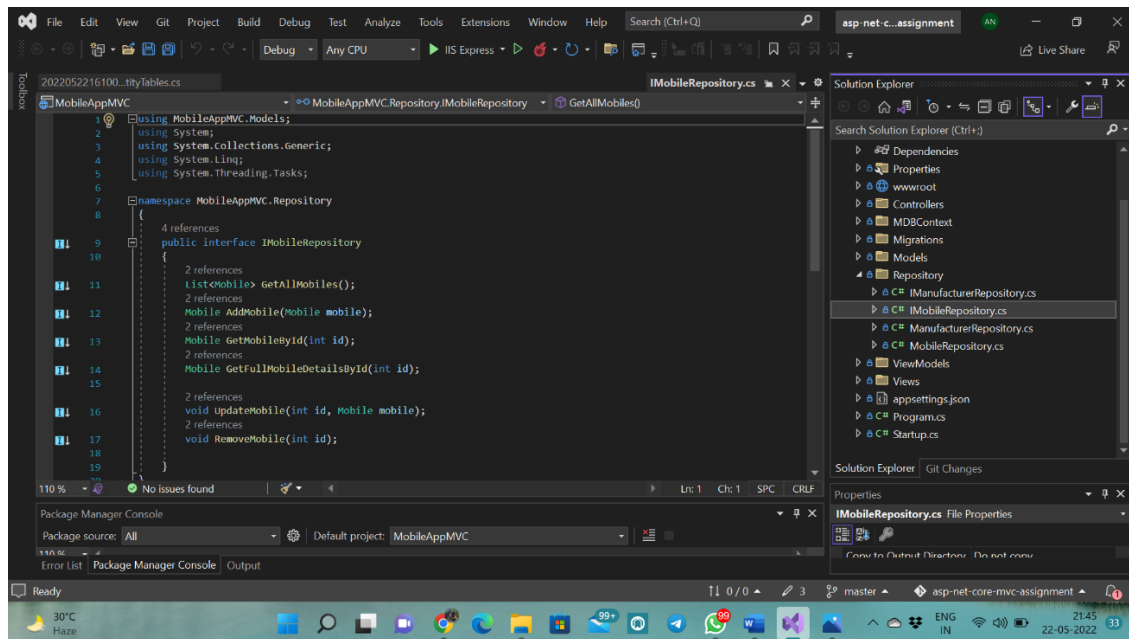
- Add-Migration <MigrationName>
- Update-Database



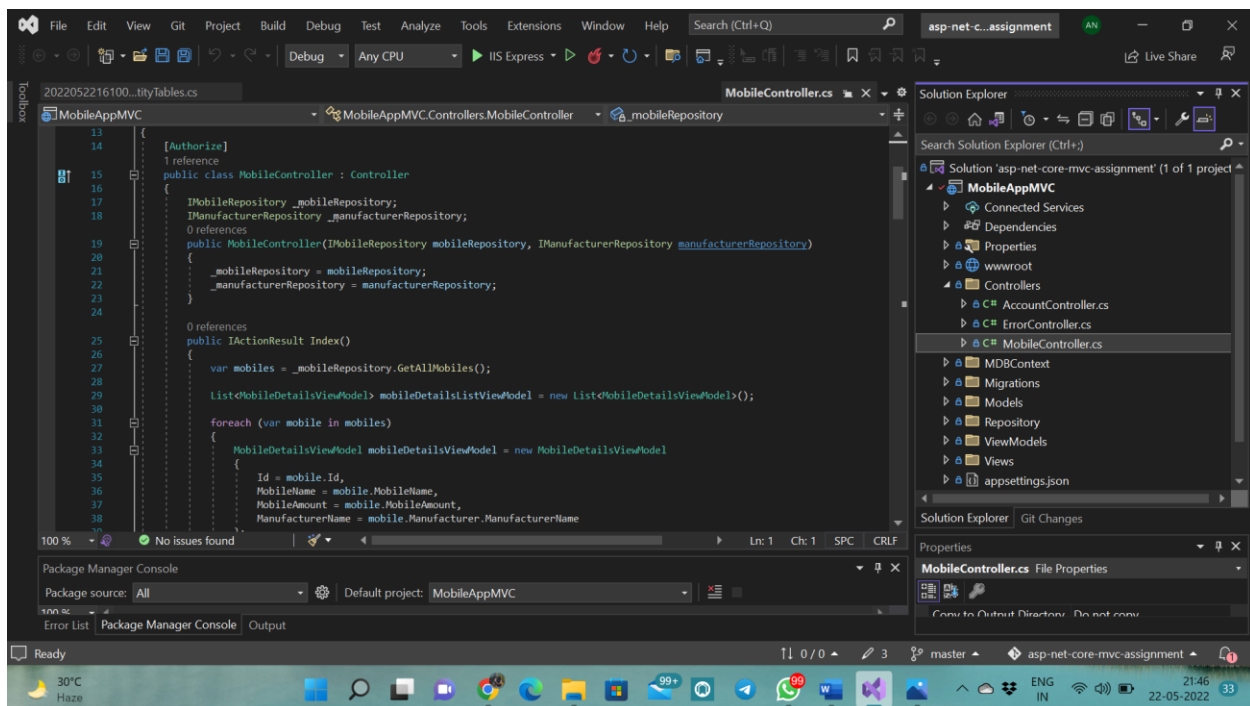
- Create a new Repository class. In the constructor pass a class which inherits from **DbContext**
- Add new folder => Repository => add class => I--Repository select interface



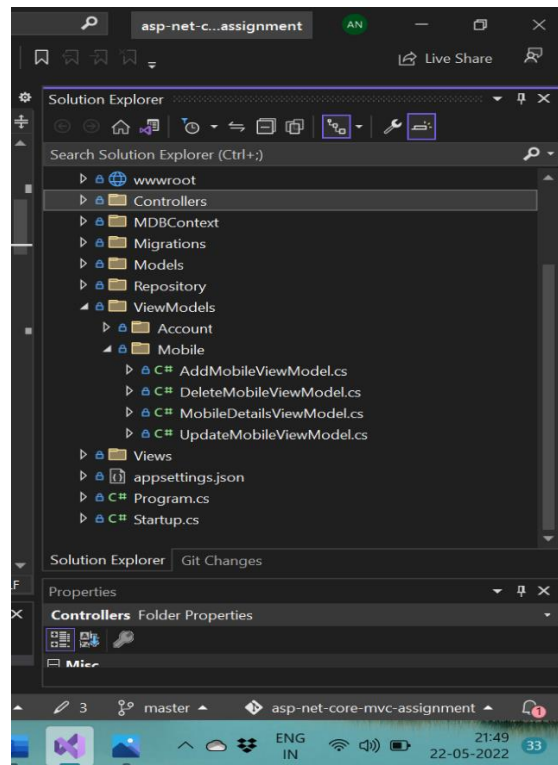
- Adding the methods GetAll Records , Add records , update ,delete and add class MobileRepository is inherit to IMobileRepository



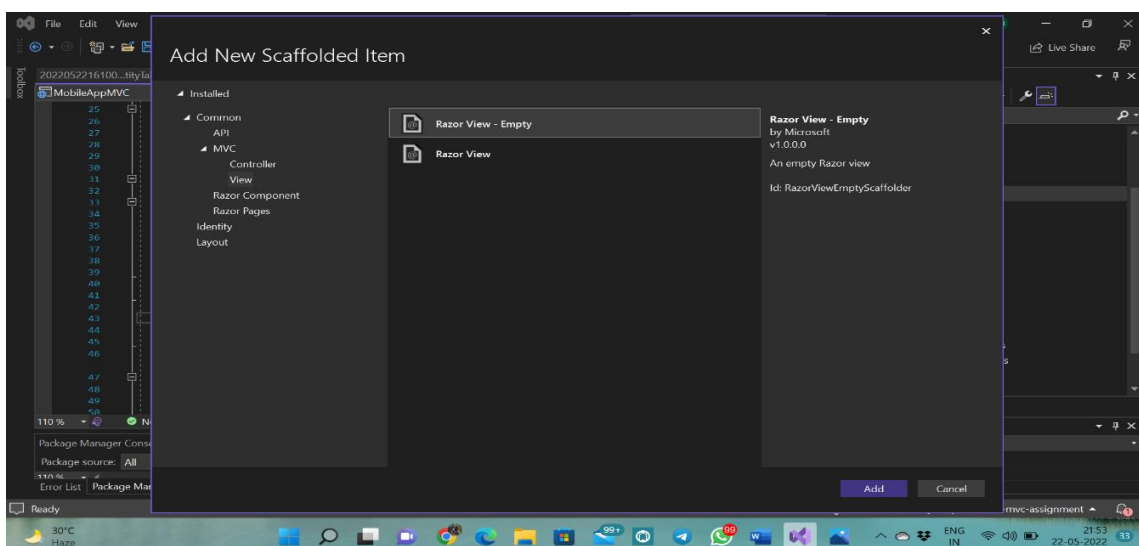
- In controller folder add new controller select MVC and empty controller write the controller name (MobileController)



- In Controller writing the logic method return a View.
- Creating new folder **ViewModels**=> in using controllers method create the new viewmodels(add,update,delete.cs).



- In Controller create a new **View** right click => add view=> select view and empty view=> view name => add => add name(.cshtml)



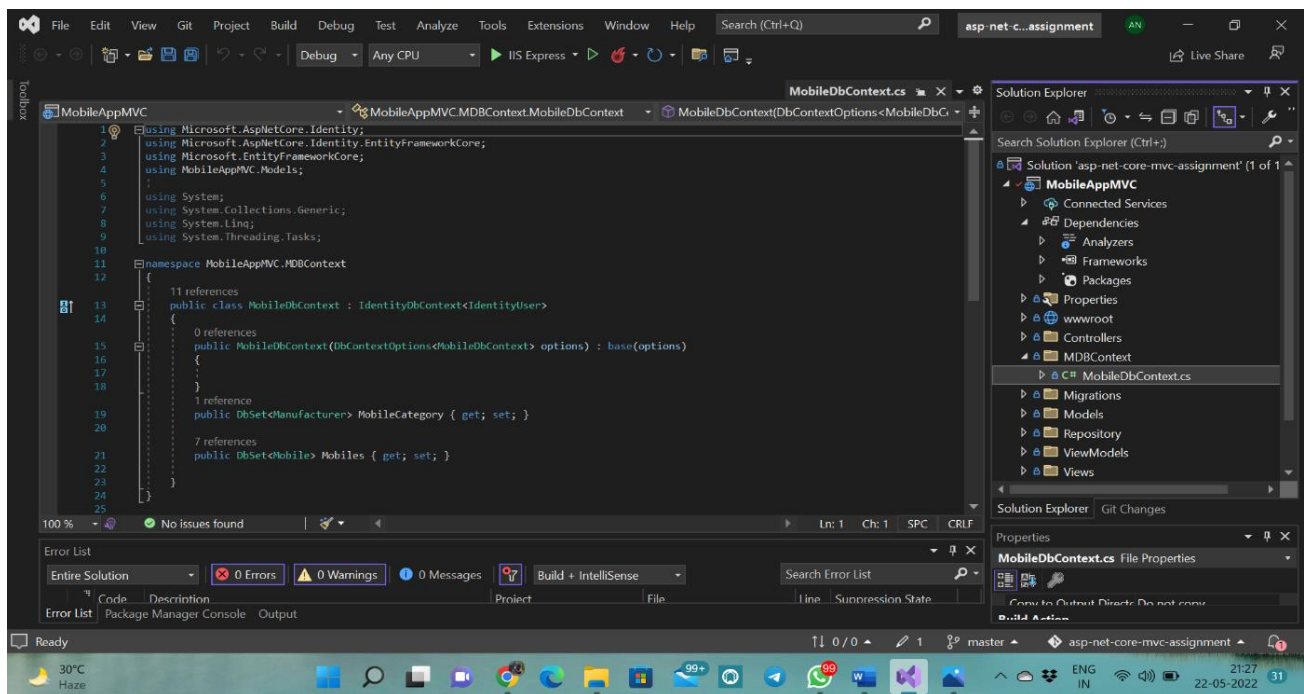
EF Core Authentication & Authorization Steps

- **Install packages**

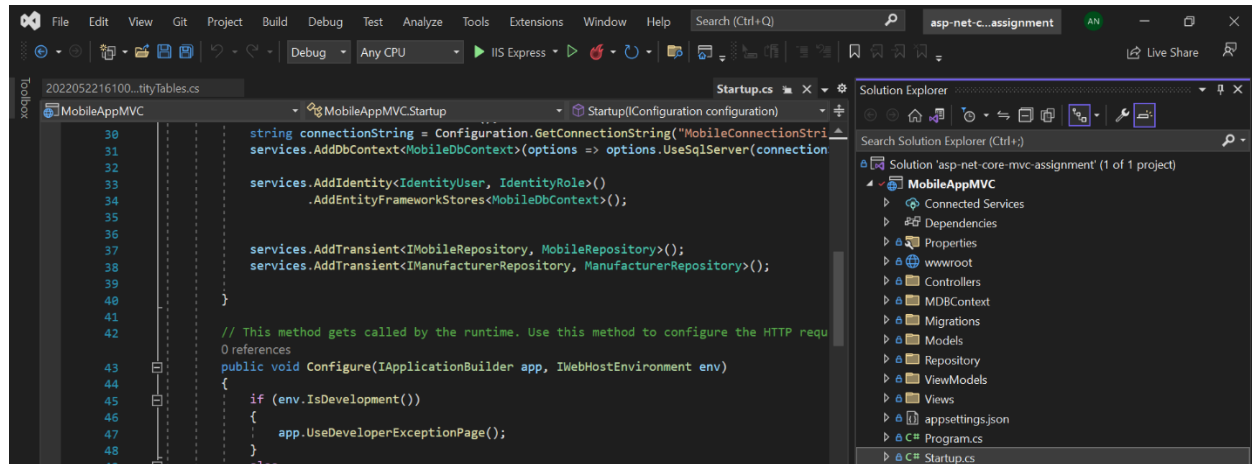
Microsoft.AspNetCore.Identity (2.2.0)

Microsoft.AspNetCore.Identity.EntityFrameworkCore (3.1.22)

- Your **DbContext** class must inherit from **IdentityDbContext<IdentityUser>**



- Register the identity services in **startup.cs**.
 `services.AddIdentity<IdentityUser, IdentityRole>()`
 `.AddEntityFrameworkStores<MobileDbContext>()`
 `.AddDefaultTokenProviders();`



- Go to package manager console and perform
 `add-migration <yourmigrationname>`
 `update-database.`