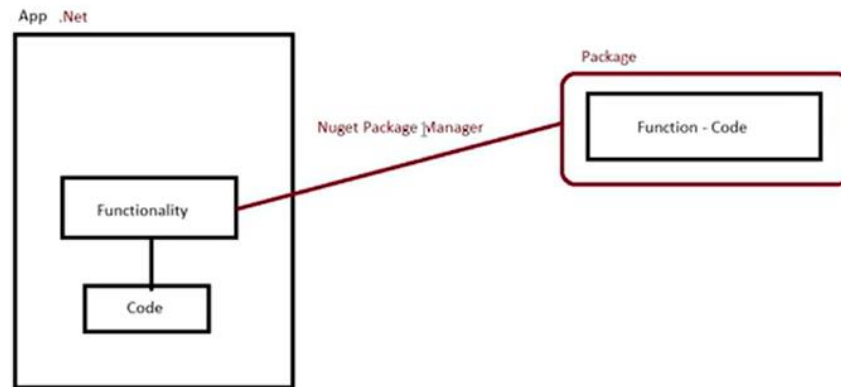
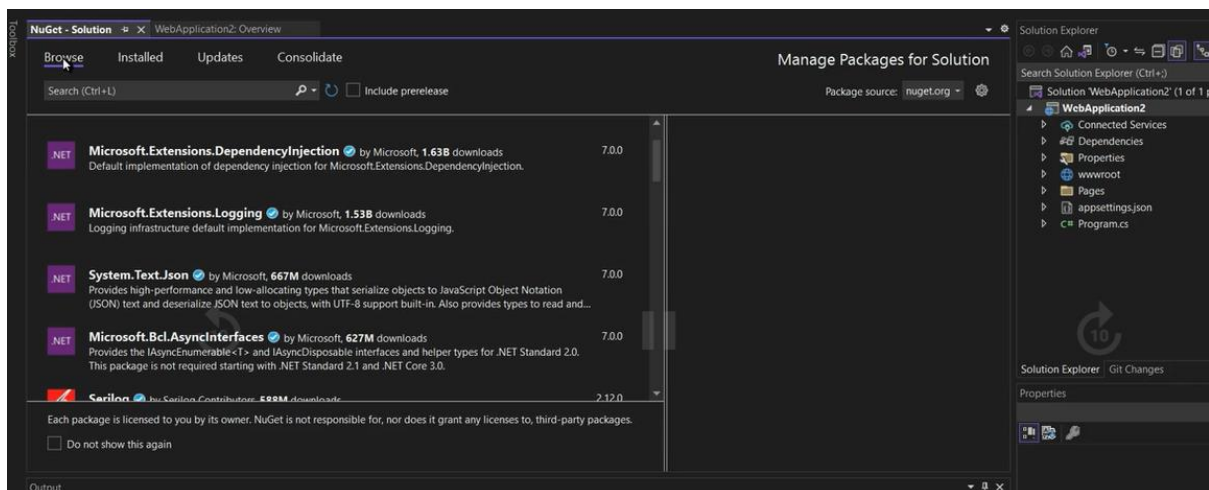
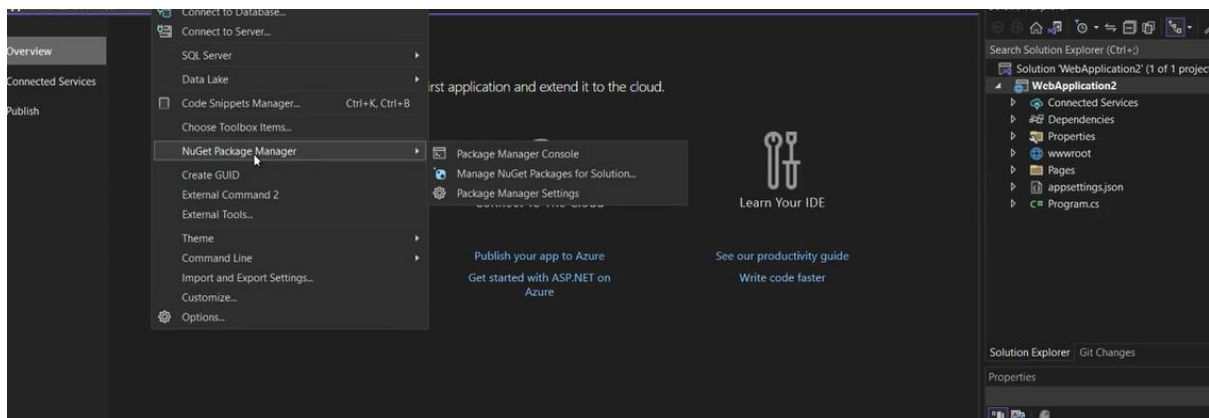


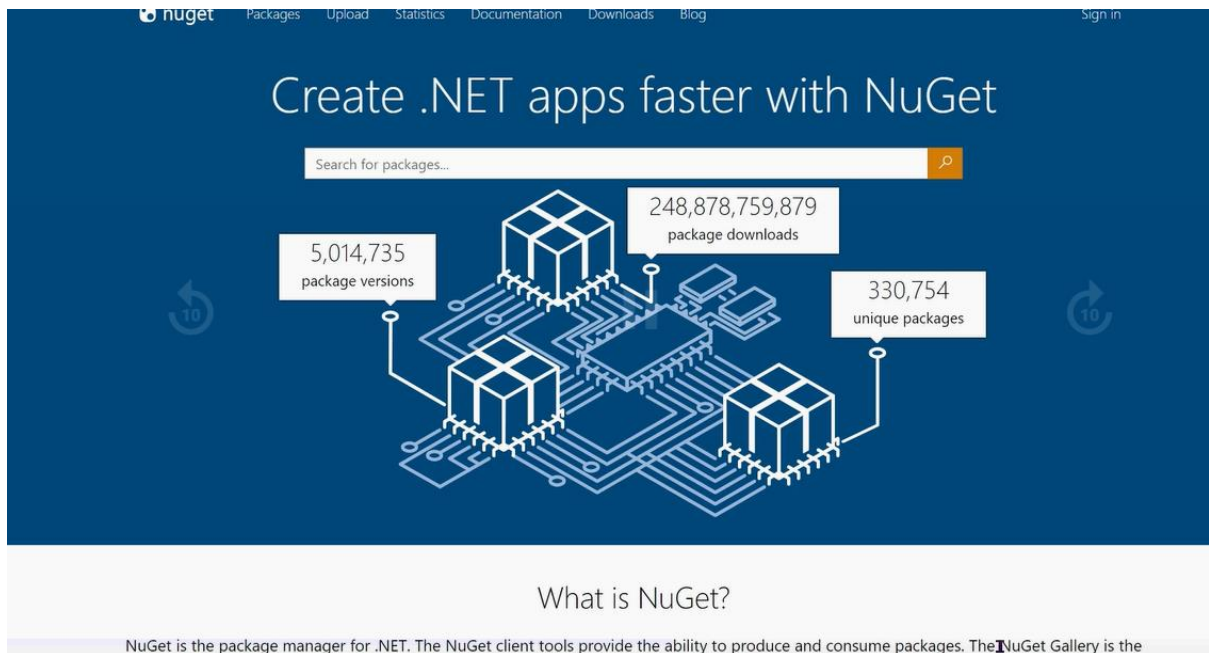
NuGet Package Management



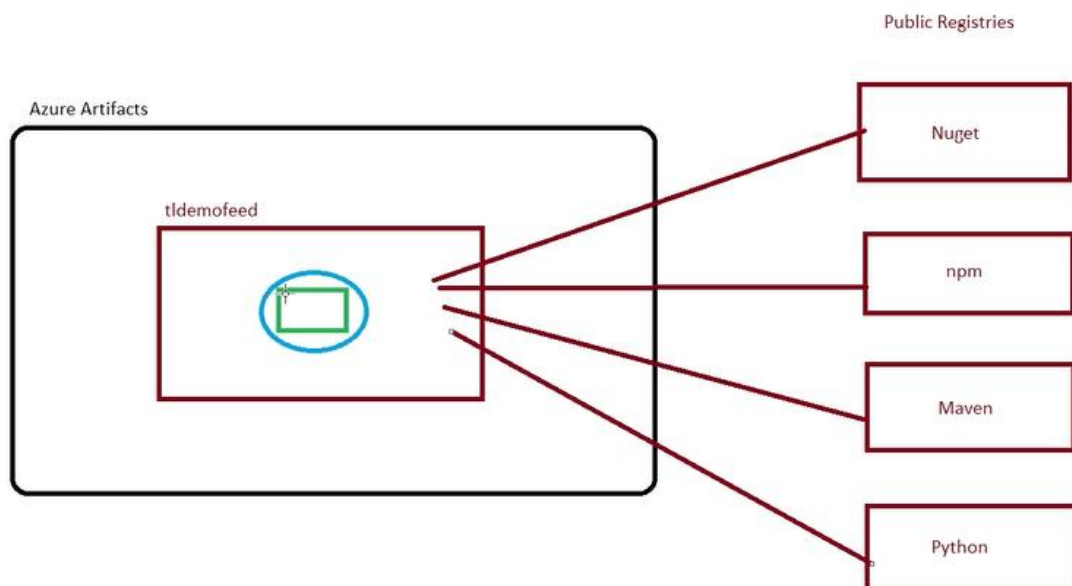
Under Tools You can check for NuGet Package Manager. Click on Manage NuGet Packages for Solution from where you can download NuGet Packages and get installed in your source code.



Visit the official site [Nuget.org](https://nuget.org) for recent updates.



The screenshot shows the NuGet.org homepage with a dark blue header. The navigation bar includes links for Packages, Upload, Statistics, Documentation, Downloads, Blog, and Sign in. The main heading is "Create .NET apps faster with NuGet". Below it is a search bar with the placeholder text "Search for packages...". A central graphic depicts a circuit board with three microchips, each representing a different package metric. The metrics are: 5,014,735 package versions, 248,878,759,879 package downloads, and 330,754 unique packages. The bottom section is titled "What is NuGet?" and contains the text: "NuGet is the package manager for .NET. The NuGet client tools provide the ability to produce and consume packages. The NuGet Gallery is the

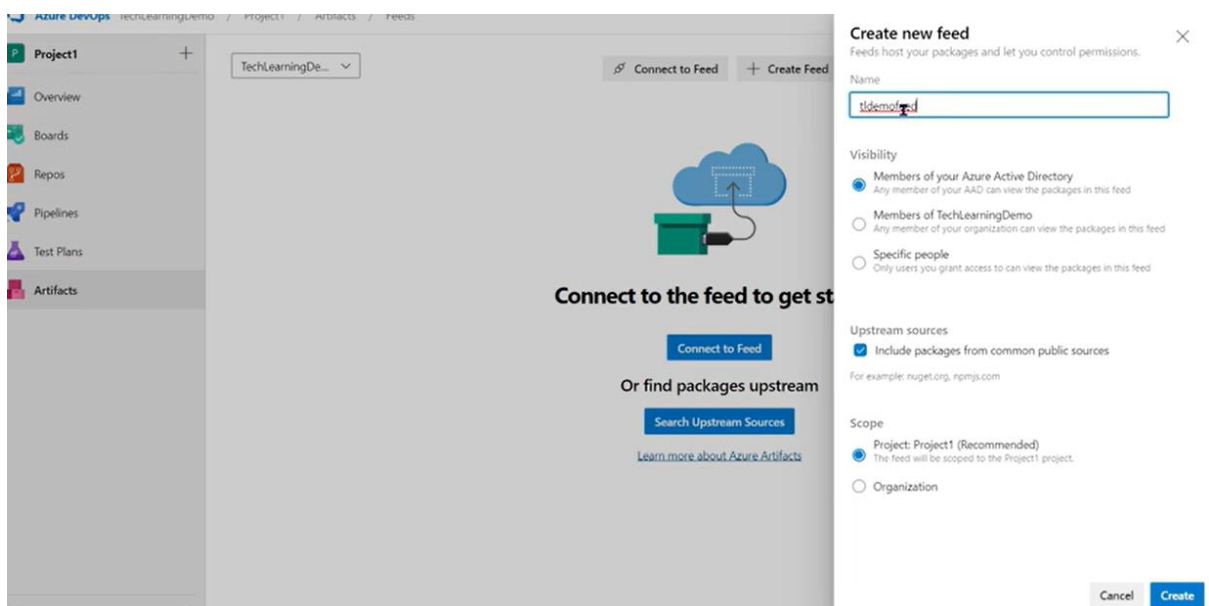
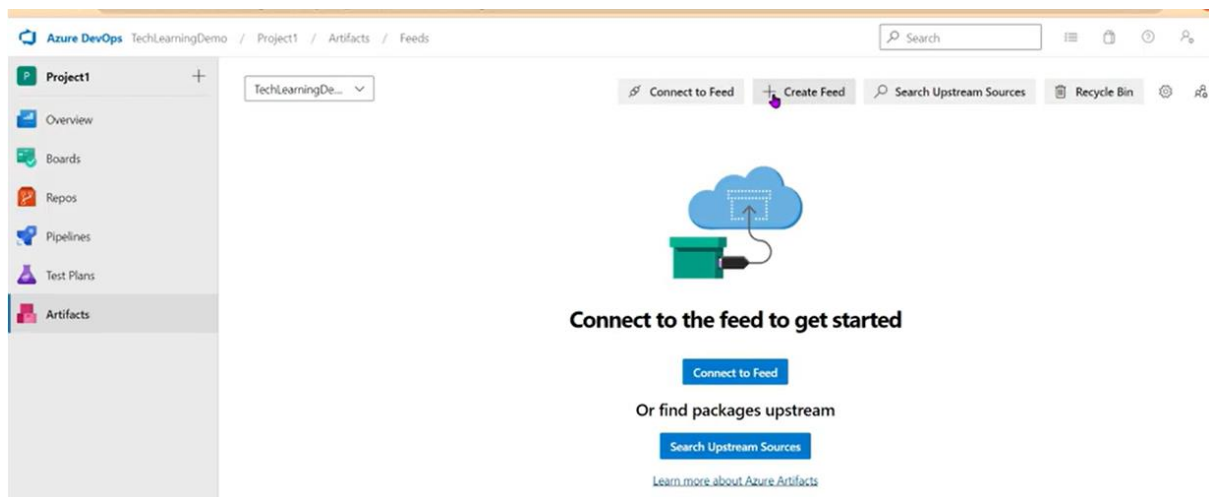


Azure Artifacts

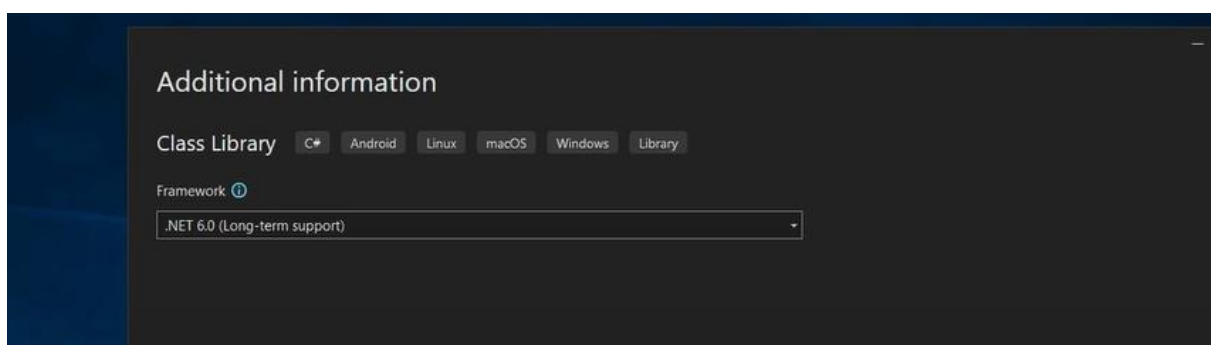
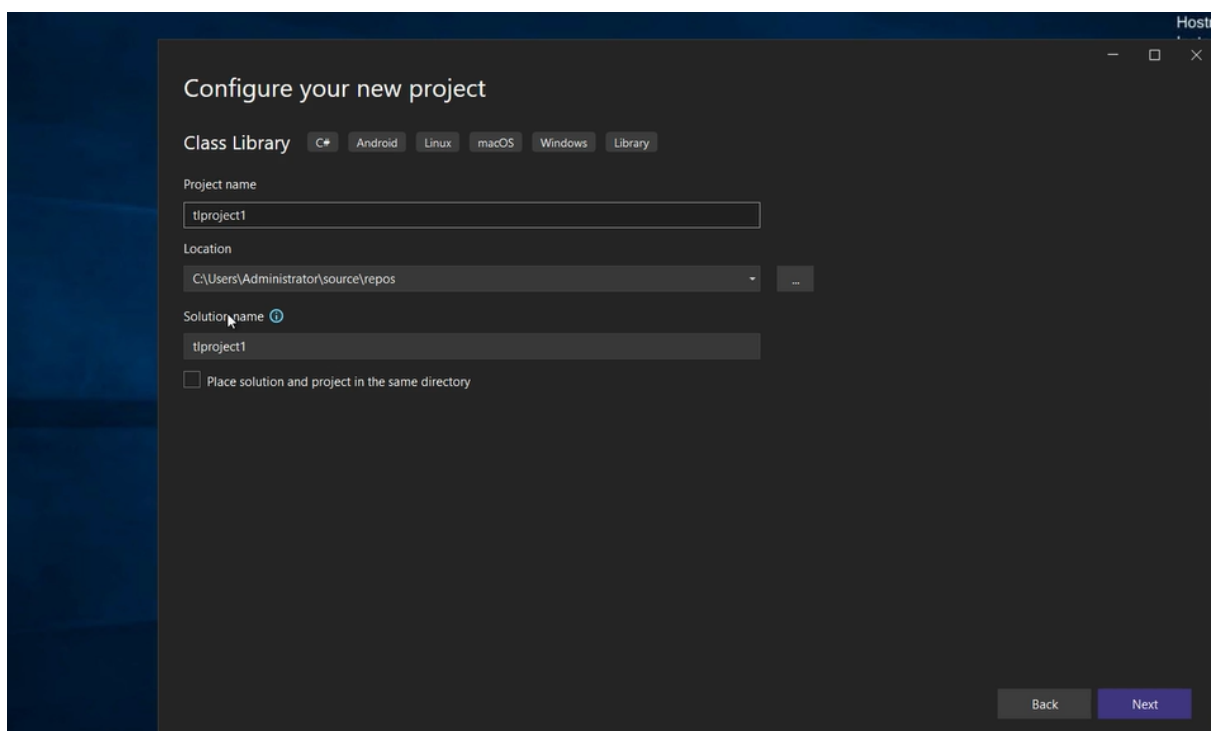
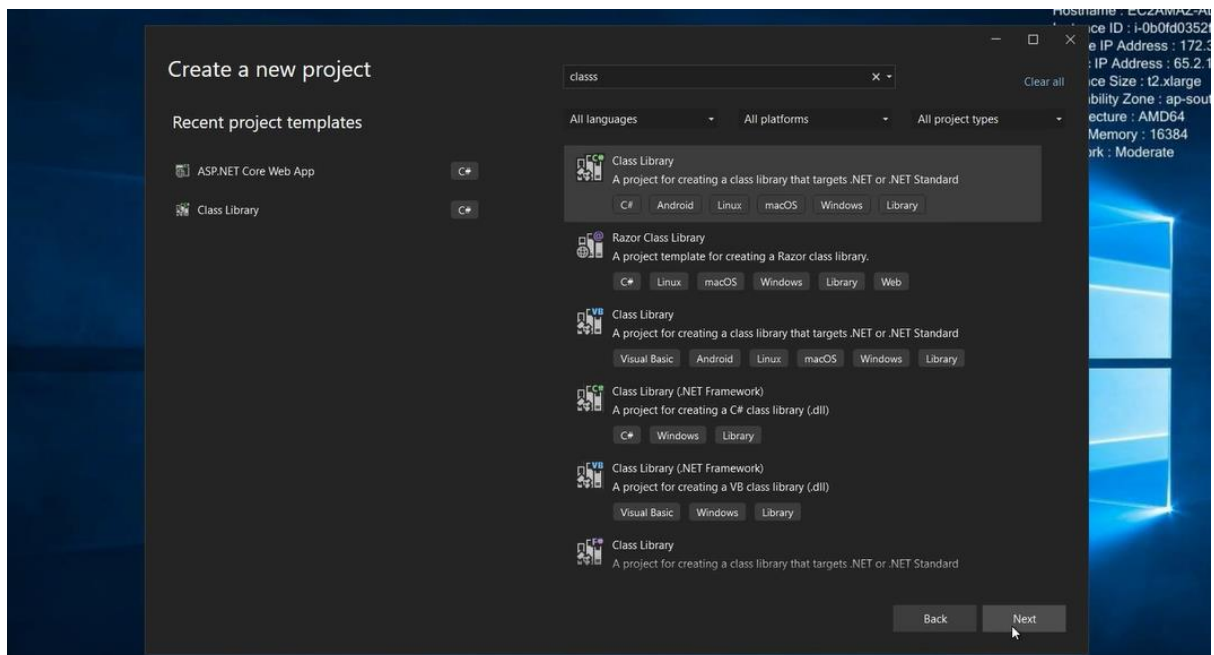
- ✓ Azure Artifacts enables developers to share their code efficiently and manage all their packages from one place.
- ✓ With Azure Artifacts, developers can publish packages to their feeds and share it within the same team, across organizations, and even publicly.
- ✓ Developers can also consume packages from different feeds and public registries such as NuGet.org or npmjs.com.
- ✓ Azure Artifacts supports multiple package types such as NuGet, npm, Python, Maven, and Universal Packages.

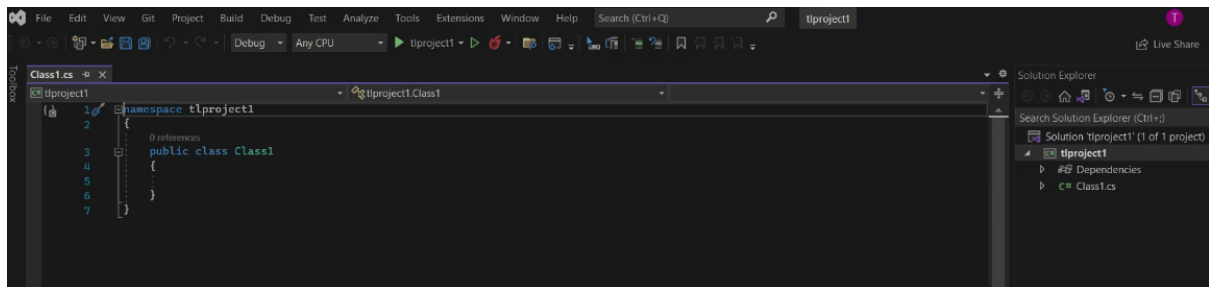
Publishing Packages inside Feeds

Create a Project in Azure DevOps Portal. Under Artifacts explore the options- create feed and connect to feed.

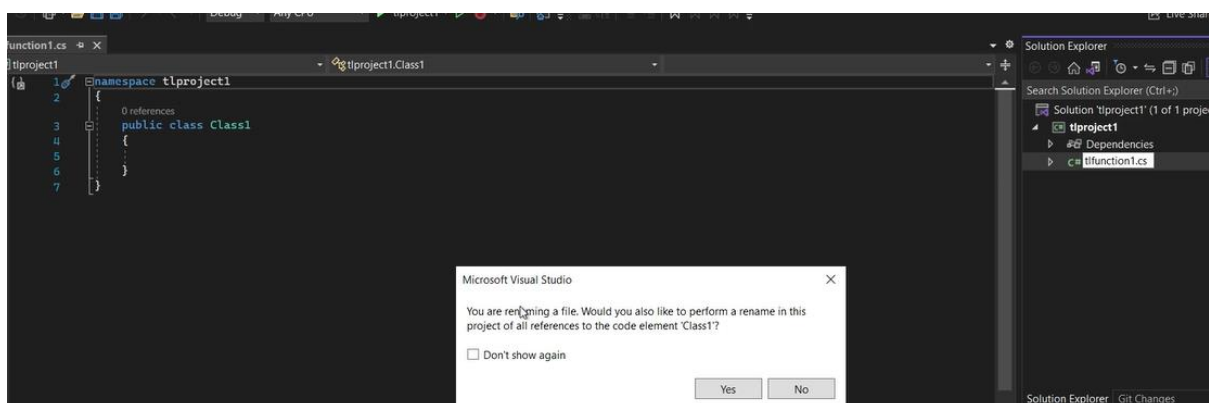
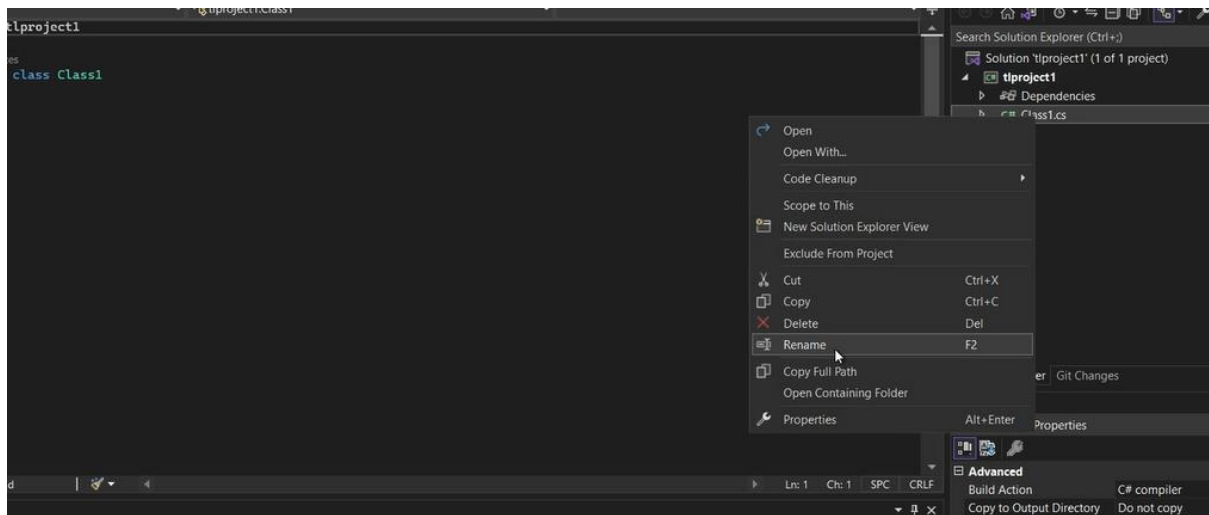


Create a Class Library in Visual Studio.

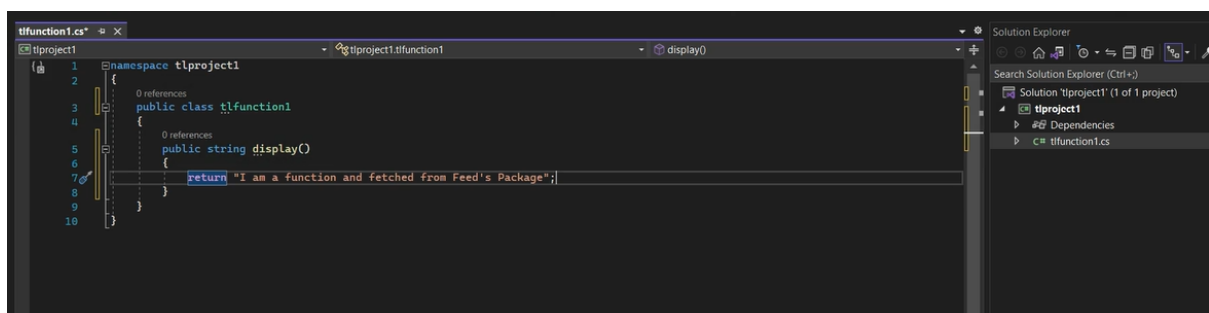




Rename the file Class1.cs to tlfunction1.cs



Modify the code as per screenshot and save the file.



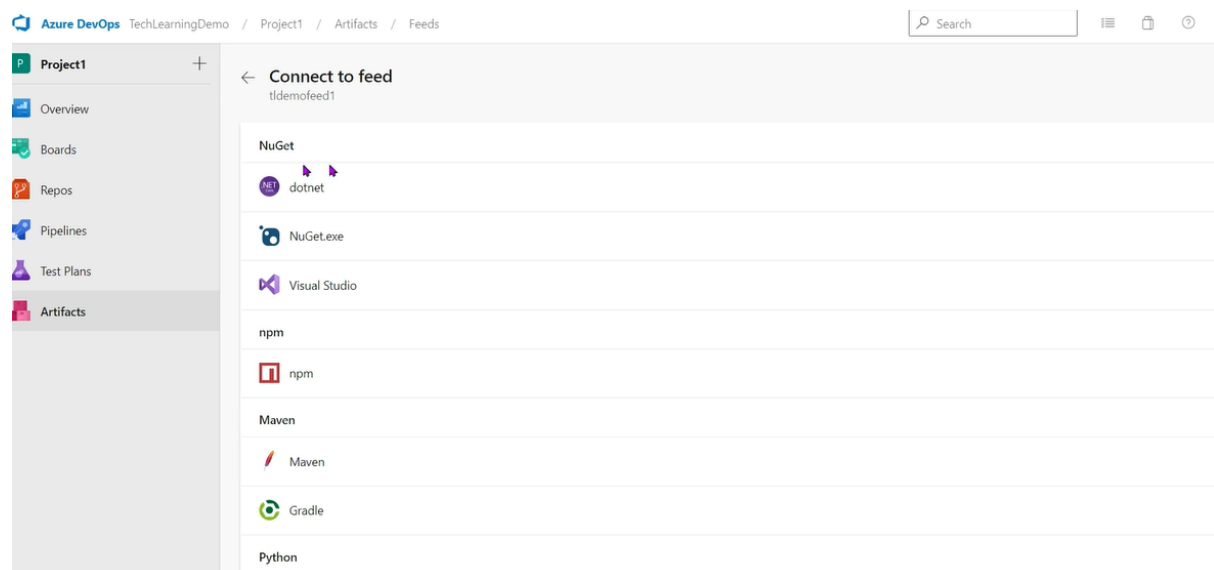
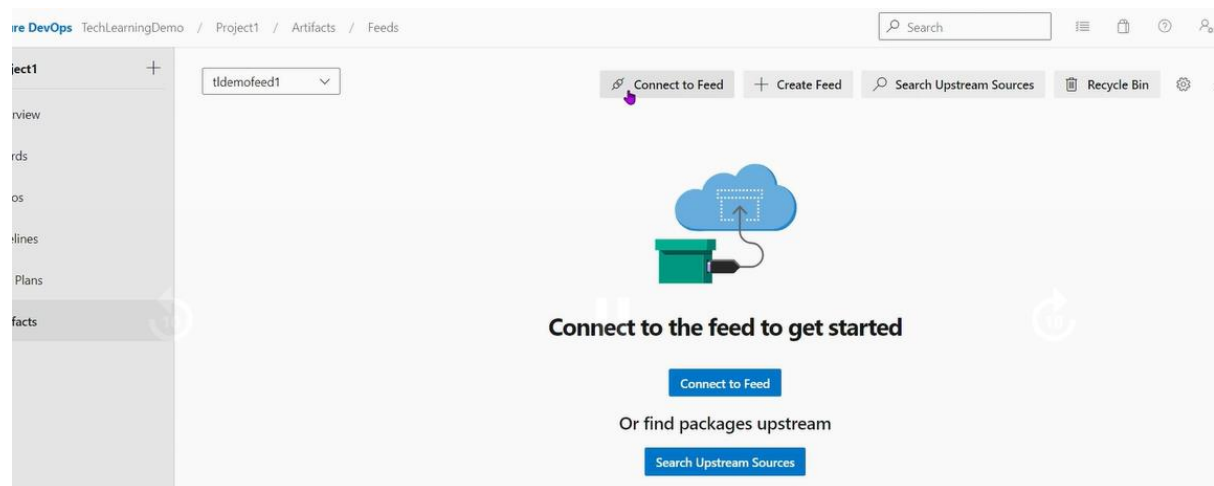
namespace tlproject1

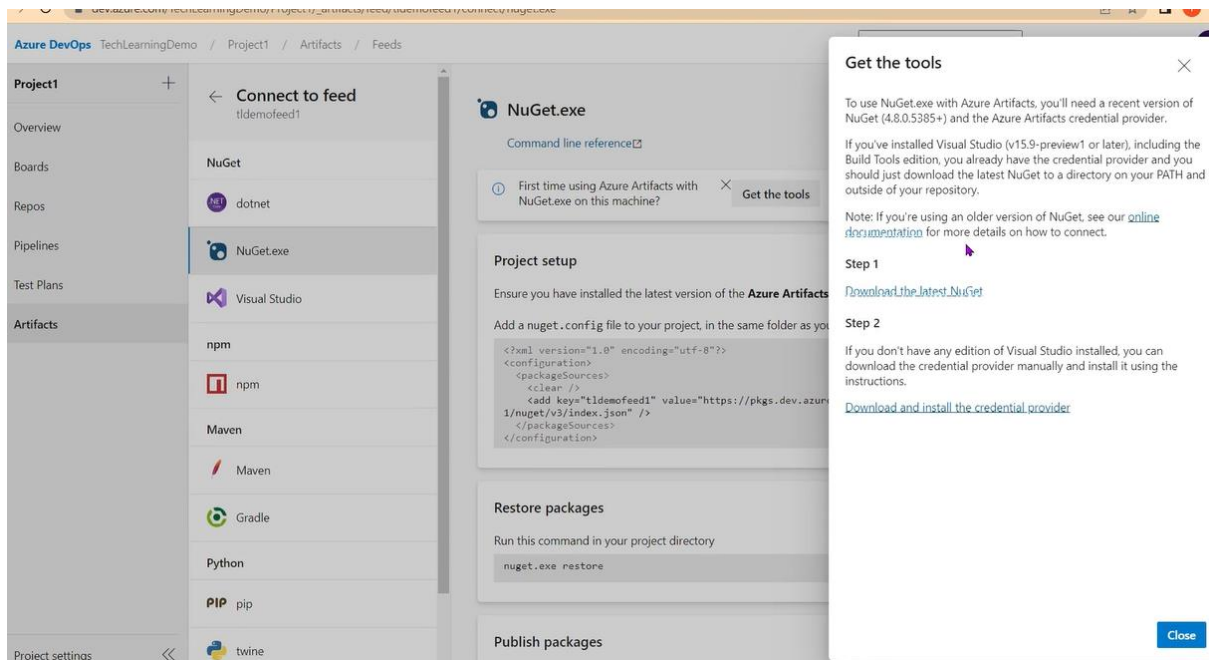
```

{
    public class tlfunction1
    {
        public string display()
        {
            return "I am a function and fetched from Feed's Package";
        }
    }
}

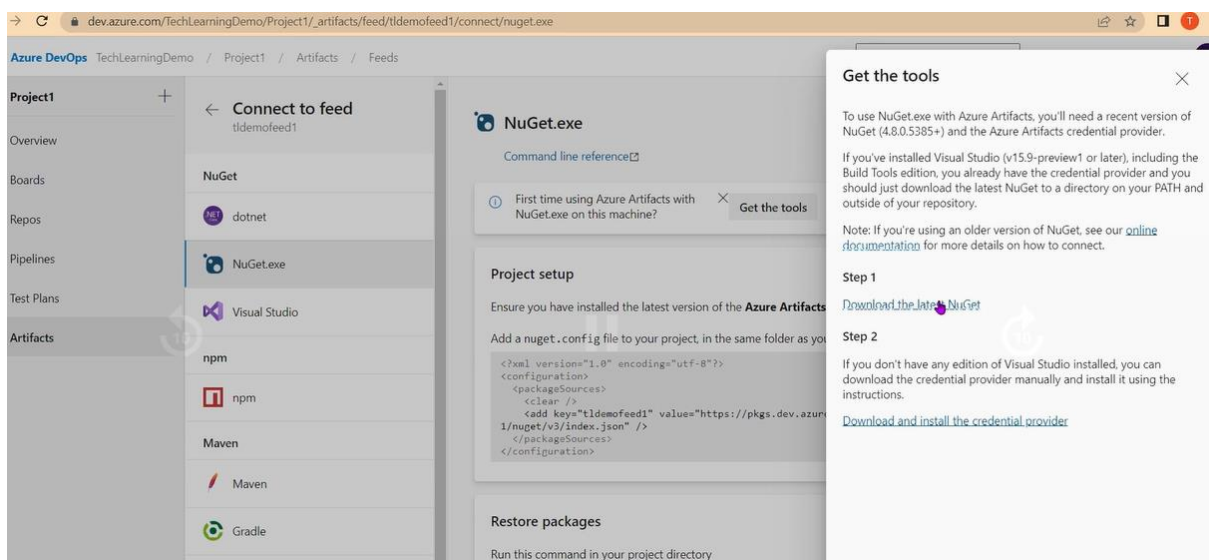
```

On Azure DevOps Portal connect to Feed, click on Nuget.exe





Click on Get the Tools and download the latest version for NuGet.



Search for packages...

Available NuGet Distribution Versions

Windows x86 Commandline

nuget.exe - recommended latest v6.3.1

nuget.exe v6.4.0

nuget.exe v6.3.1

nuget.exe v6.2.2

nuget.exe v6.1.0

nuget.exe v6.0.3

nuget.exe v5.11.3

nuget.exe v5.10.0

nuget.exe v5.9.3

nuget.exe v5.8.1

[s://dist.nuget.org/win-x86-commandline/v6.2.2/nuget.exe](https://dist.nuget.org/win-x86-commandline/v6.2.2/nuget.exe)

nuget (2).exe

Visual Studio 2017 and above

NuGet Package Manager (PM UI and PM Console) is included with Visual Studio. Latest NuGet releases are delivered as part of Visual Studio updates.

Note: nuget.exe itself is not included with any version of Visual Studio.

[Download Visual Studio](#)

Visual Studio 2015

VS 2015 VSIX - latest v3.6.0

VS 2015 VSIX v3.6.0

VS 2015 VSIX v3.5.0

VS 2015 VSIX v3.4.4

VS 2015 VSIX v3.3.0

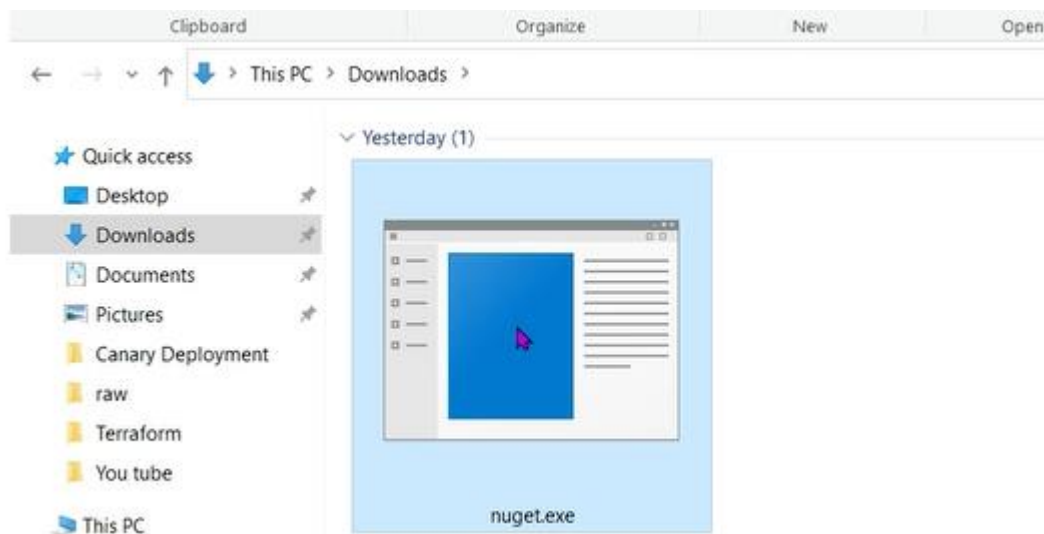
VS 2015 VSIX v3.2.0

VS 2015 VSIX v3.1.1

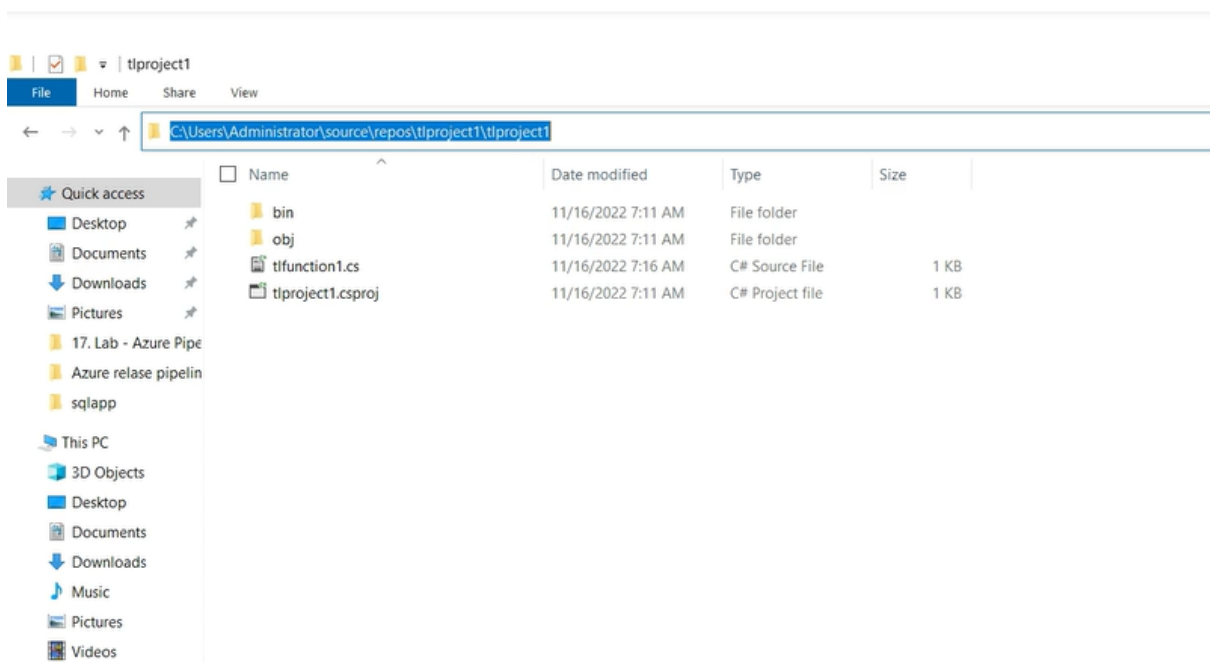
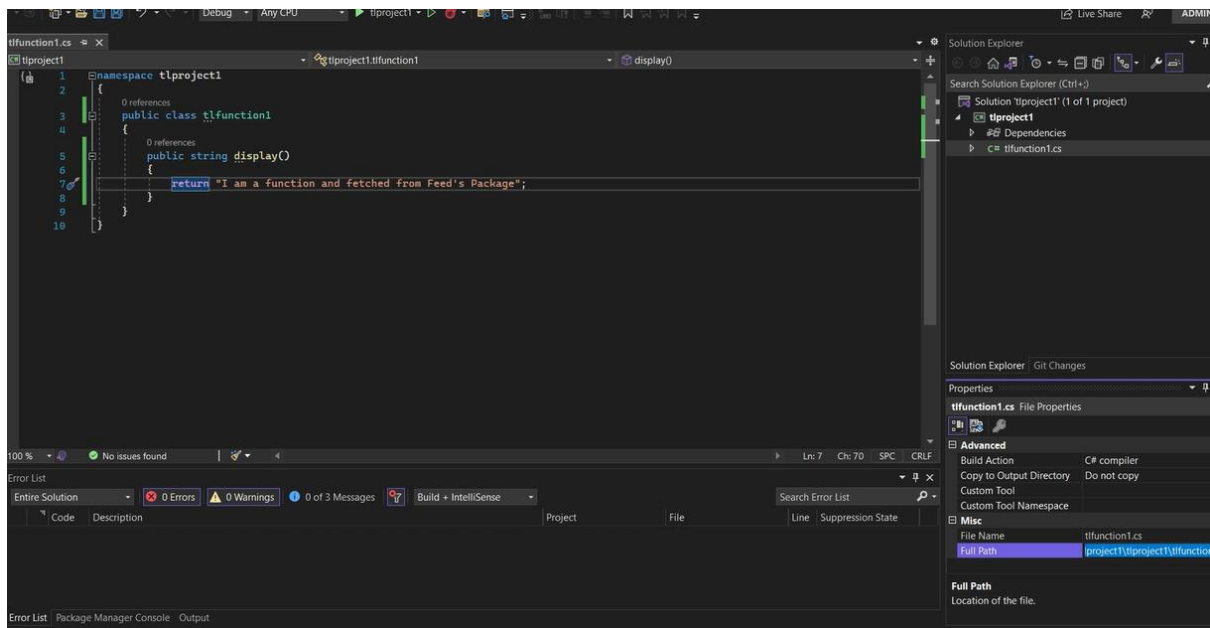
Visual Studio 2013

VS 2013 VSIX v2.12.0

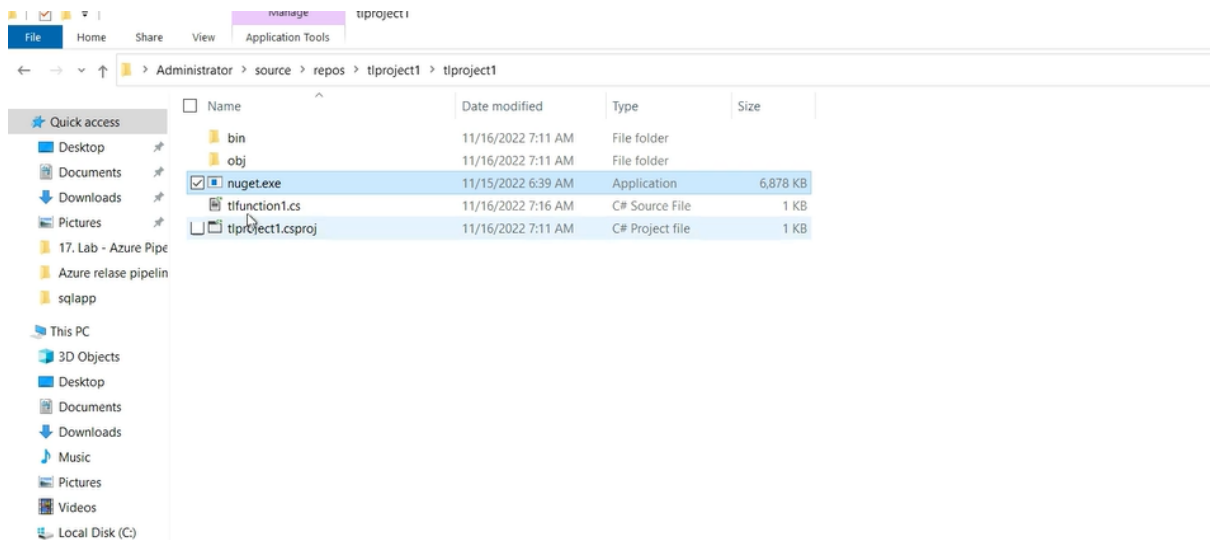
Check in Downloads



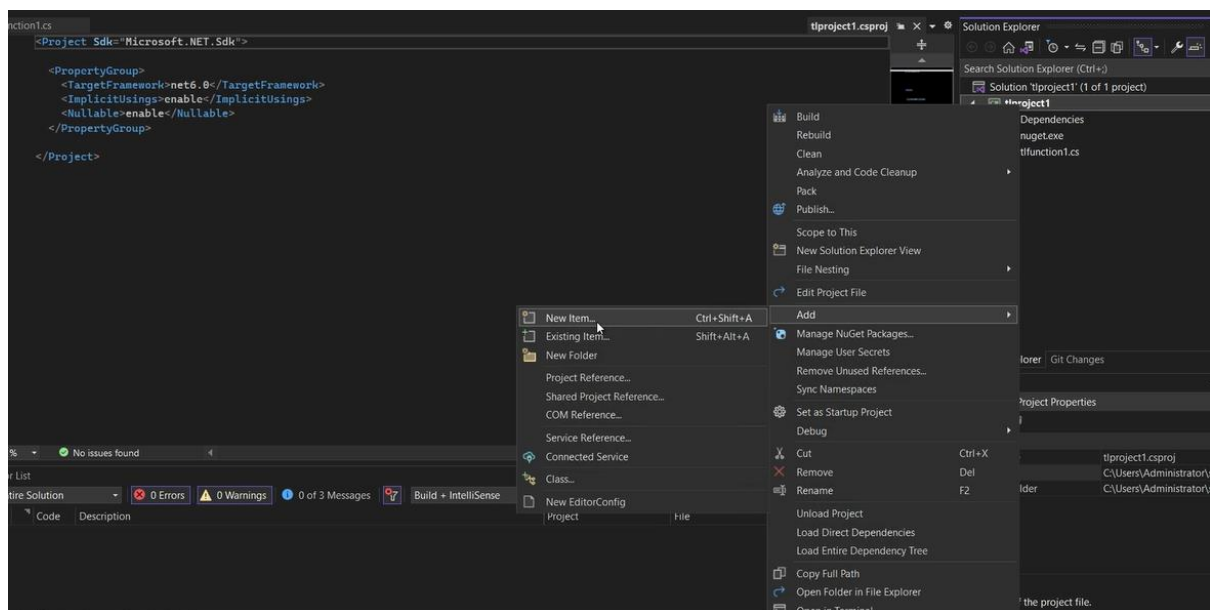
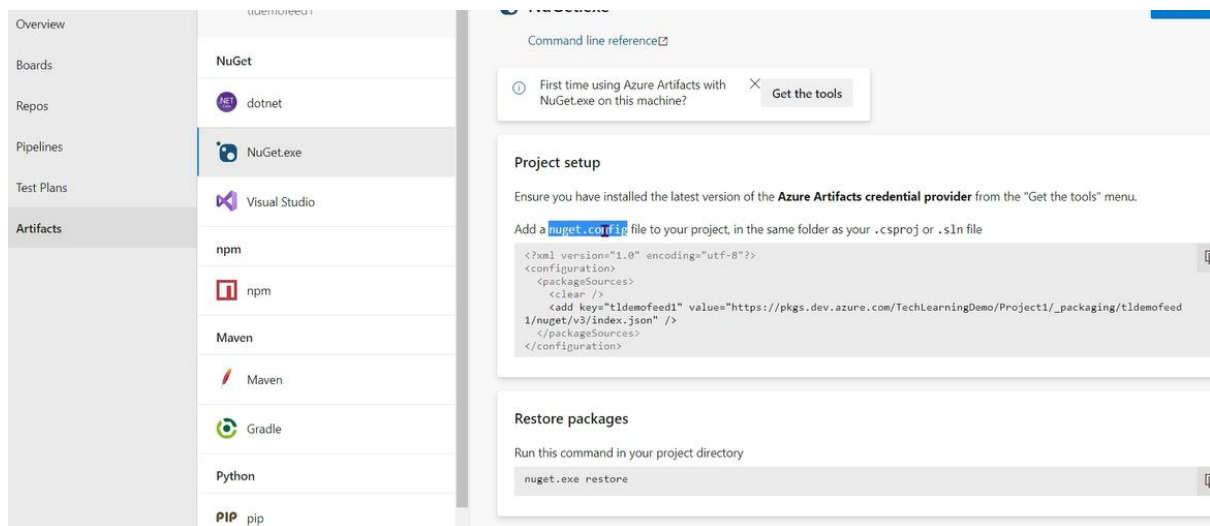
Select Full Path of your project from visual studio and paste in file explorer.

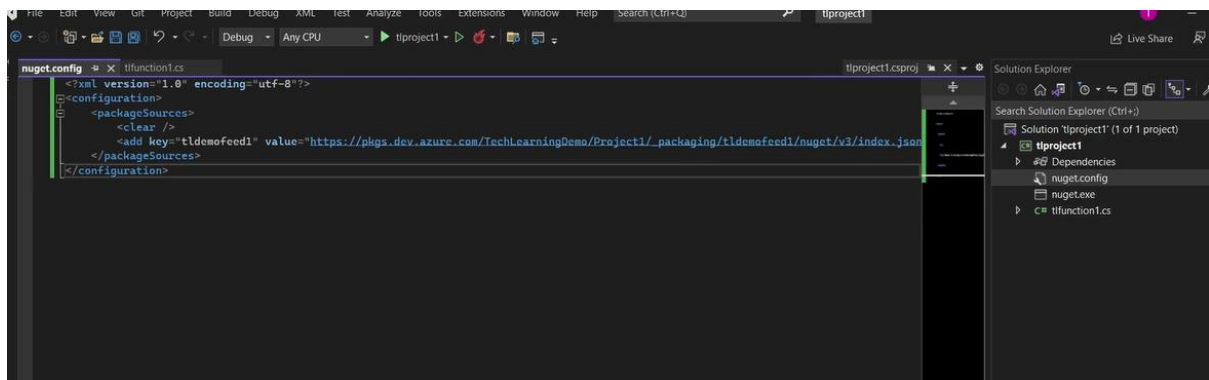
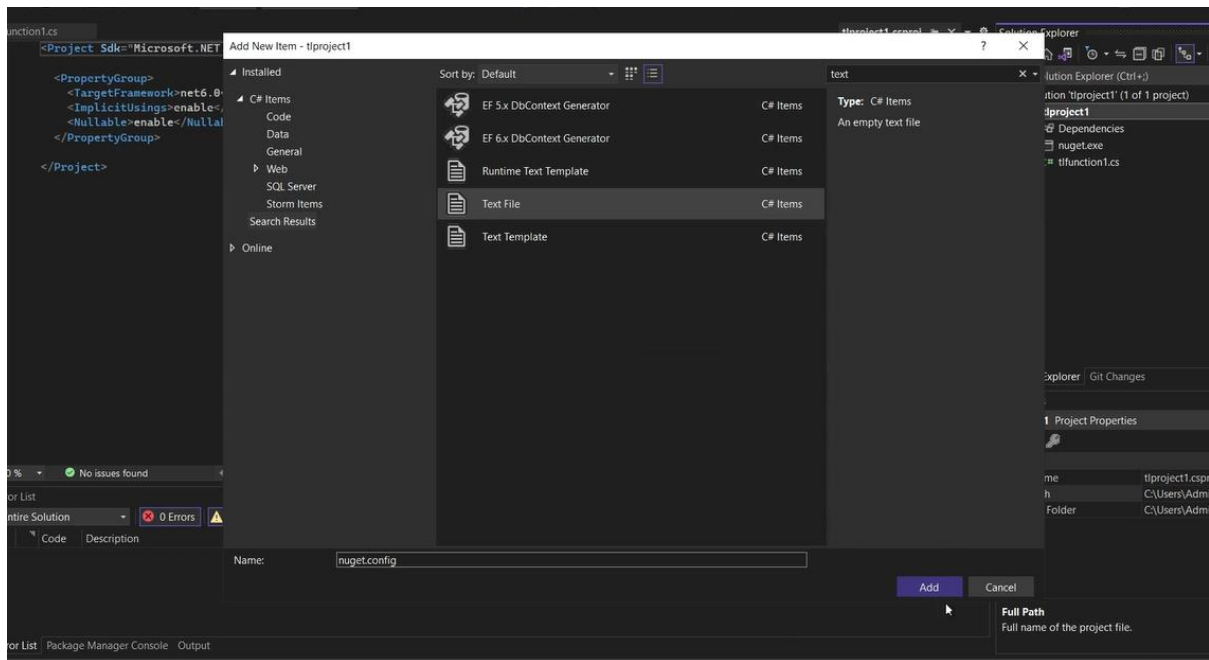


Paste nuget.exe in the same path from Downloads

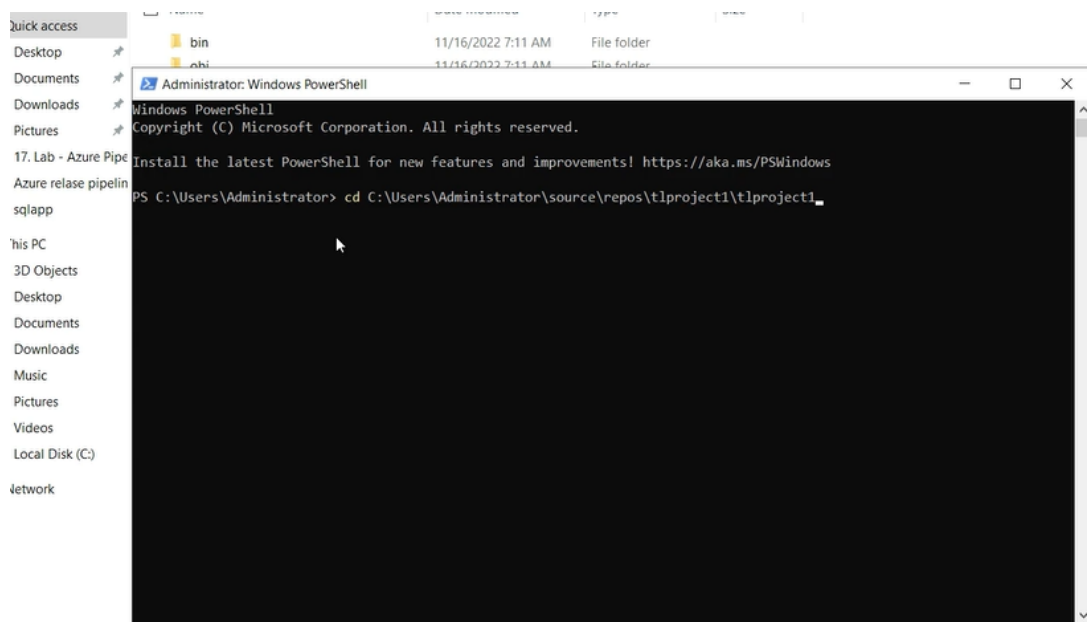


Add Nuget.config file to the Project





Build your solution locally. Open Windows PowerShell and navigate to the path and list the files and directories.



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> cd C:\Users\Administrator\source\repos\tlproject1\tlproject1
PS C:\Users\Administrator\source\repos\tlproject1\tlproject1> dir

Directory: C:\Users\Administrator\source\repos\tlproject1\tlproject1

Mode                LastWriteTime         Length Name
----                -
d-----          11/16/2022   7:11 AM             bin
d-----          11/16/2022   7:11 AM             obj
-a-----          11/16/2022   7:36 AM           261 nuget.config
-a-----          11/15/2022   6:39 AM       7042480 nuget.exe
-a-----          11/16/2022   7:16 AM           199 tlfunction1.cs
-a-----          11/16/2022   7:11 AM           215 tlproject1.csproj

PS C:\Users\Administrator\source\repos\tlproject1\tlproject1>
```

Create Packaging by running the command

```
./nuget.exe pack ./tlproject1.csproj
```

If you face any error regarding environment variables then run the below command and rerun the pack command.

```
$env:NUGET_ENABLE_LEGACY_CSPROJ_PACK = "true"
```

```
Administrator: Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> cd C:\Users\Administrator\source\repos\tlproject1\tlproject1
PS C:\Users\Administrator\source\repos\tlproject1\tlproject1> dir

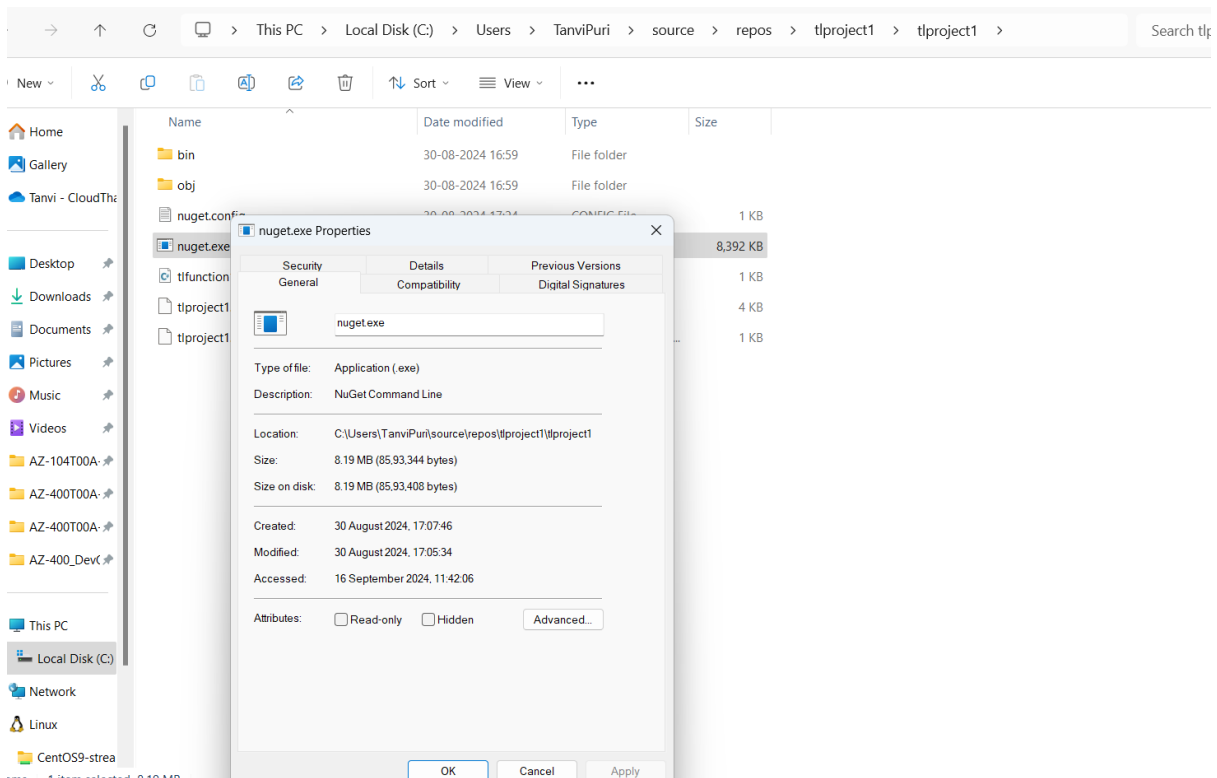
Directory: C:\Users\Administrator\source\repos\tlproject1\tlproject1

Mode                LastWriteTime         Length Name
----                -
d-----          11/16/2022   7:11 AM             bin
d-----          11/16/2022   7:11 AM             obj
-a-----          11/16/2022   7:36 AM           261 nuget.config
-a-----          11/15/2022   6:39 AM       7042480 nuget.exe
-a-----          11/16/2022   7:16 AM           199 tlfunction1.cs
-a-----          11/16/2022   7:11 AM           215 tlproject1.csproj

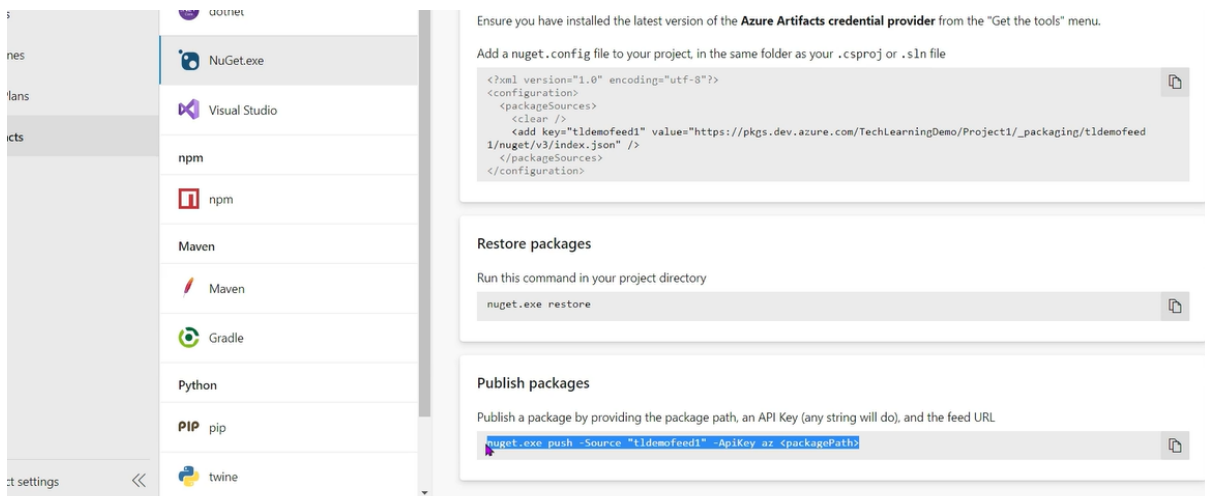
PS C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe pack ./tlproject1.csproj
Attempting to build package from 'tlproject1.csproj'.
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
Packing files from 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\bin\Debug\net6.0'.
WARNING: NUS115: Description was not specified. Using 'Description'.
WARNING: NUS115: Author was not specified. Using 'Administrator'.
Successfully created package 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\tlproject1.1.0.0.nupkg'.
PS C:\Users\Administrator\source\repos\tlproject1\tlproject1>
```

If still facing any error regarding block of nuget. Then navigate to the source project path.

On NuGet right click the properties enable the unblock option.



Select the command to Publish Packages from DevOps Portal.



Replace the <packagePath> with your package name just created.

```
ode                LastWriteTime                Length Name
-----
-----
-----
11/16/2022  7:11 AM                bin
11/16/2022  7:11 AM                obj
a-----  11/16/2022  7:36 AM                261 nuget.config
a-----  11/15/2022  6:39 AM            7042480 nuget.exe
a-----  11/16/2022  7:16 AM                199 tlfunction1.cs
a-----  11/16/2022  7:11 AM                215 tlproject1.csproj

$ C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe pack ./tlproject1.csproj
Attempting to build package from 'tlproject1.csproj'.
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
Packaging files from 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\bin\Debug\net6.0'.
WARNING: NU5115: Description was not specified. Using 'Description'.
WARNING: NU5115: Author was not specified. Using 'Administrator'.
Successfully created package 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\tlproject1.1.0.0.nupkg'.
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe push -Source "tldemofeed1" -ApiKey az tlproject1.1.0.0.nupkg
```

Run the command

`./nuget.exe push -Source "tldemofeed1" -ApiKey az tlproject1.1.0.0.nupkg`

Package will be pushed and verify credentials.

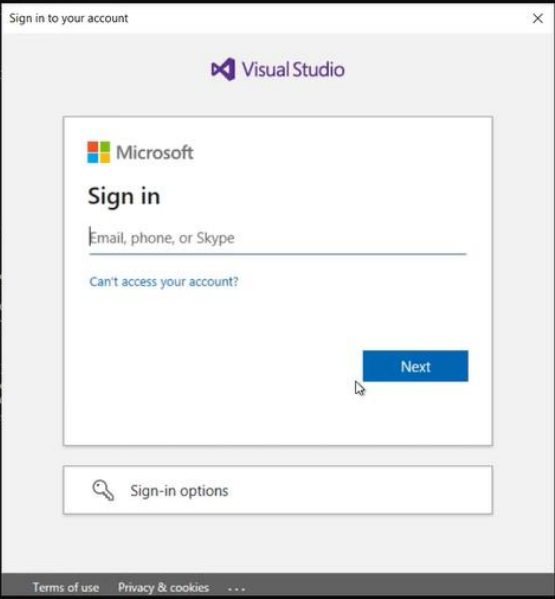
```
l the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

Users\Administrator> cd C:\Users\Administrator\source\repos\tlproject1\tlproject1
Users\Administrator\source\repos\tlproject1\tlproject1> dir

Directory: C:\Users\Administrator\source\repos\tlproject1\tlproject1

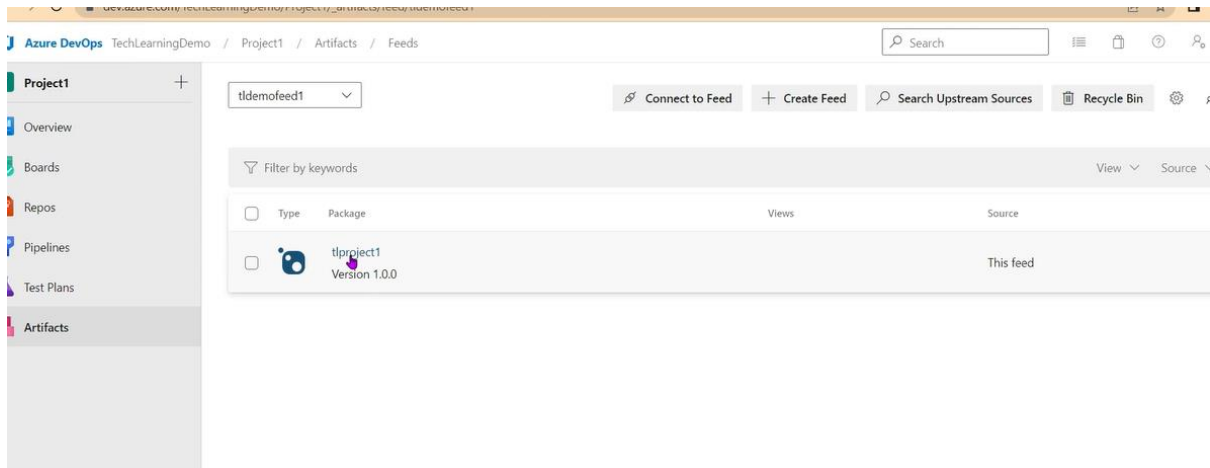
                LastWriteTime                Length Name
                -----
                -----
                11/16/2022  7:11 AM                bin
                11/16/2022  7:11 AM                obj
                11/16/2022  7:36 AM                261 nuget.config
                11/15/2022  6:39 AM            7042480 nuget.exe
                11/16/2022  7:16 AM                199 tlfunction1.cs
                11/16/2022  7:11 AM                215 tlproject1.csproj

Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe pack ./tlproject1.csproj
Attempting to build package from 'tlproject1.csproj'.
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
Packaging files from 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\bin\Debug\net6.0'.
WARNING: NU5115: Description was not specified. Using 'Description'.
WARNING: NU5115: Author was not specified. Using 'Administrator'.
Successfully created package 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\tlproject1.1.0.0.nupkg'.
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe push -Source "tldemofeed1" -ApiKey az tlproject1.1.0.0.nupkg
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
[CredentialProvider]Using the ADAL UI flow for uri https://pkgs.dev.azure.com/TechLearningDemo/Project1/_packaging/tldemofeed1/nuget/v3/index.json. User sign-in required in a pop-up authentication window.
[CredentialProvider]VstsCredentialProvider - Acquired bearer token using 'ADAL UI'
[CredentialProvider]VstsCredentialProvider - Attempting to exchange the bearer token for an Azure DevOps session token.
Pushing tlproject1.1.0.0.nupkg to 'https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/' ...
PUT https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/
Accepted https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/ 3105ms
Your package was pushed.
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1>
```

A screenshot of a Visual Studio sign-in window. The window has a title bar that says "Sign in to your account". The main content area features the Microsoft logo, the text "Sign in", and a text input field labeled "Email, phone, or Skype". Below the input field is a link that says "Can't access your account?". A blue "Next" button is positioned to the right of the input field. At the bottom of the window, there is a section for "Sign-in options" with a magnifying glass icon. The footer of the window contains links for "Terms of use", "Privacy & cookies", and a three-dot menu.

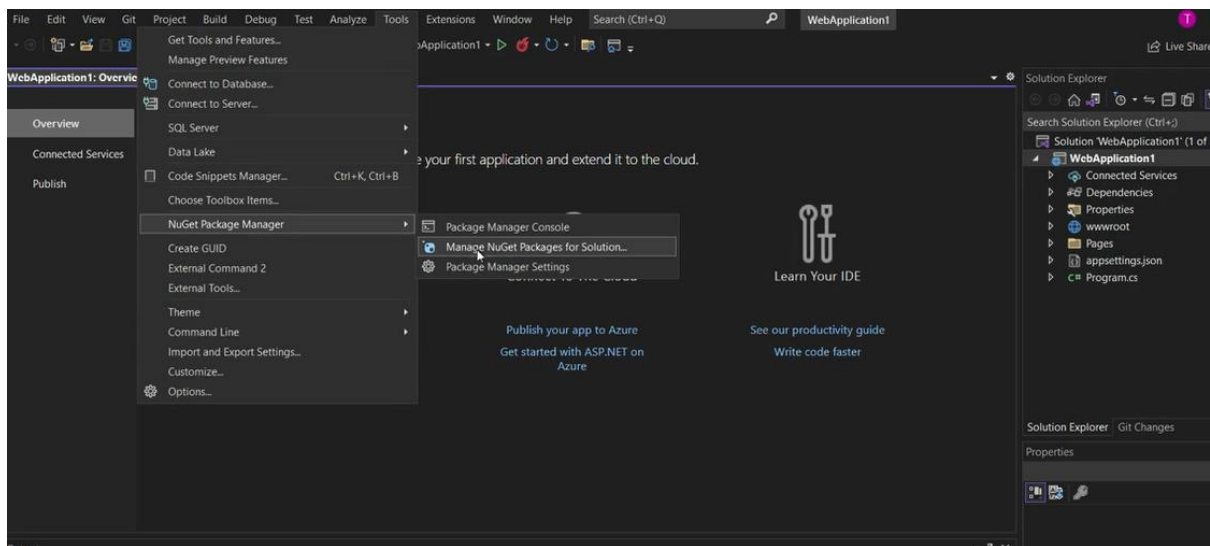
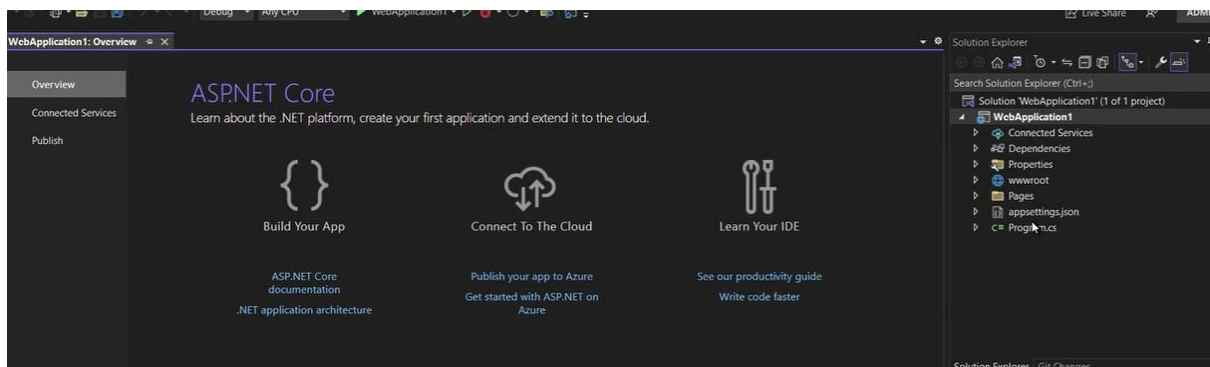
Package was pushed to Azure artifacts feed.

```
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe pack ./tlproject1.csproj
Attempting to build package from 'tlproject1.csproj'.
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
Packaging files from 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\bin\Debug\net6.0'.
WARNING: NU5115: Description was not specified. Using 'Description'.
WARNING: NU5115: Author was not specified. Using 'Administrator'.
Successfully created package 'C:\Users\Administrator\source\repos\tlproject1\tlproject1\tlproject1.1.0.0.nupkg'.
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1> ./nuget.exe push -Source "tldemofeed1" -ApiKey az tlproject1.1.0.0.nupkg
MSBuild auto-detection: using msbuild version '17.3.1.41501' from 'C:\Program Files\Microsoft Visual Studio\2022\Community\MSBuild\Current\bin'.
[CredentialProvider]Using the ADAL UI flow for uri https://pkgs.dev.azure.com/TechLearningDemo/Project1/_packaging/tldemofeed1/nuget/v3/index.json. User sign-in required in a pop-up authentication window.
[CredentialProvider]VstsCredentialProvider - Acquired bearer token using 'ADAL UI'
[CredentialProvider]VstsCredentialProvider - Attempting to exchange the bearer token for an Azure DevOps session token.
Pushing tlproject1.1.0.0.nupkg to 'https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/' ...
PUT https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/
Accepted https://pkgs.dev.azure.com/TechLearningDemo/fd8205dd-8196-47d4-87cb-de4028298d20/_packaging/51d2a97e-7caa-4b77-a62d-ef41206162b2/nuget/v2/ 3105ms
Your package was pushed.
$ C:\Users\Administrator\source\repos\tlproject1\tlproject1>
```

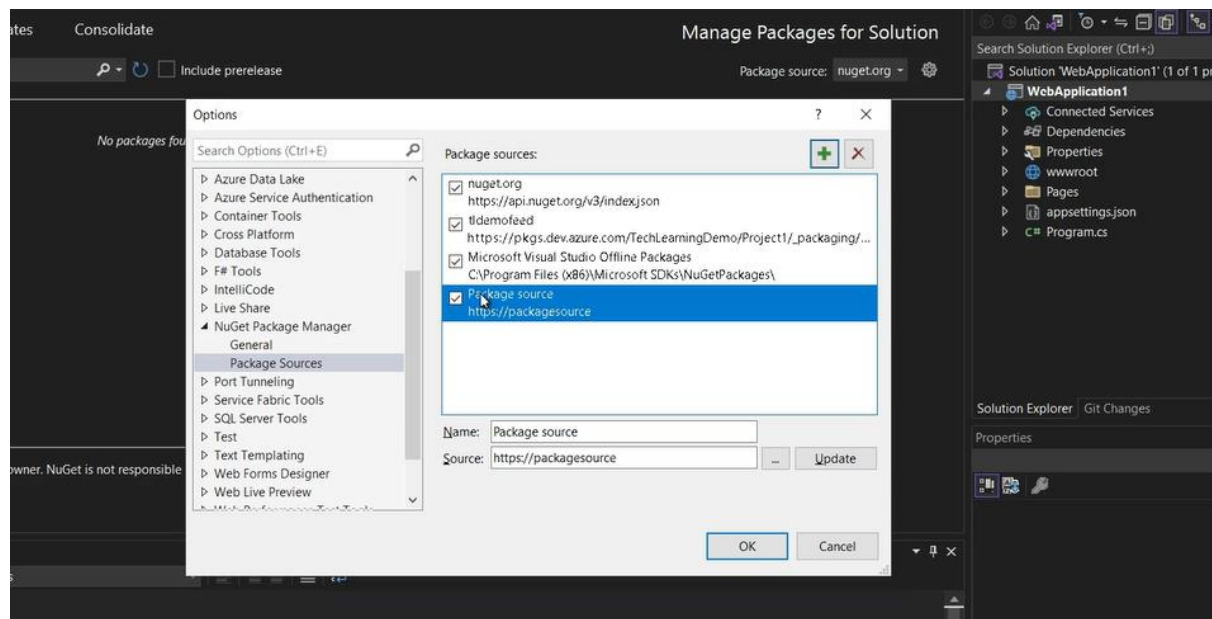
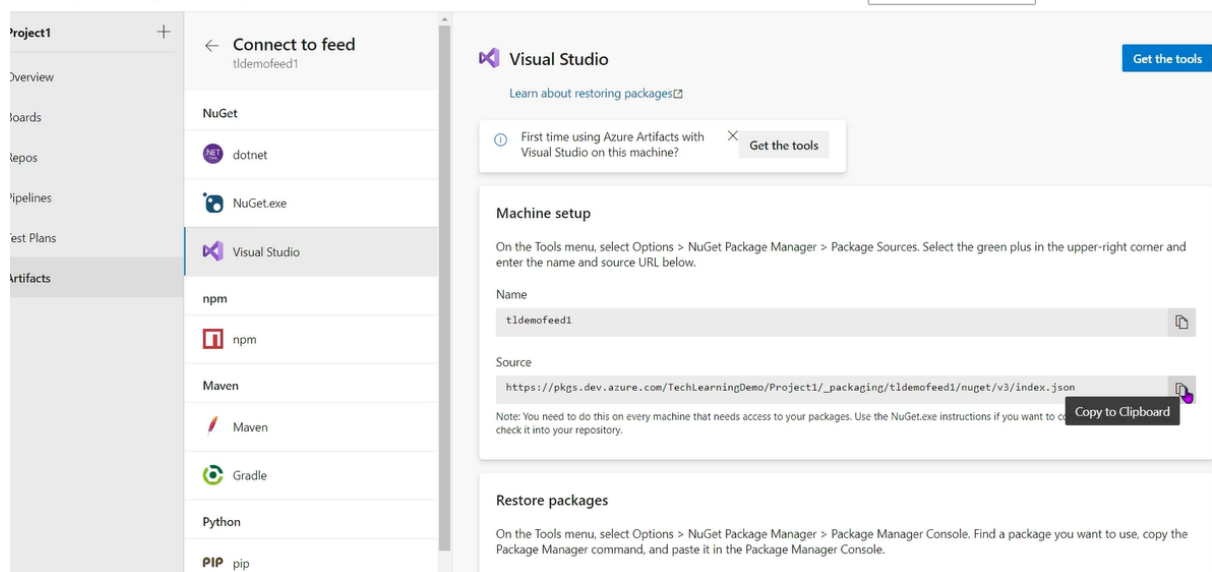
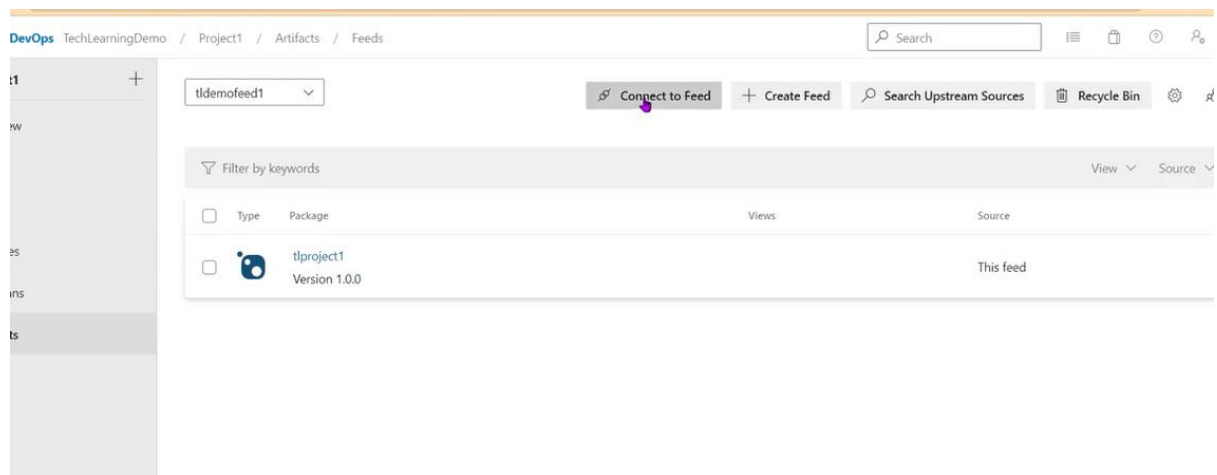



Consume Packages from Feeds

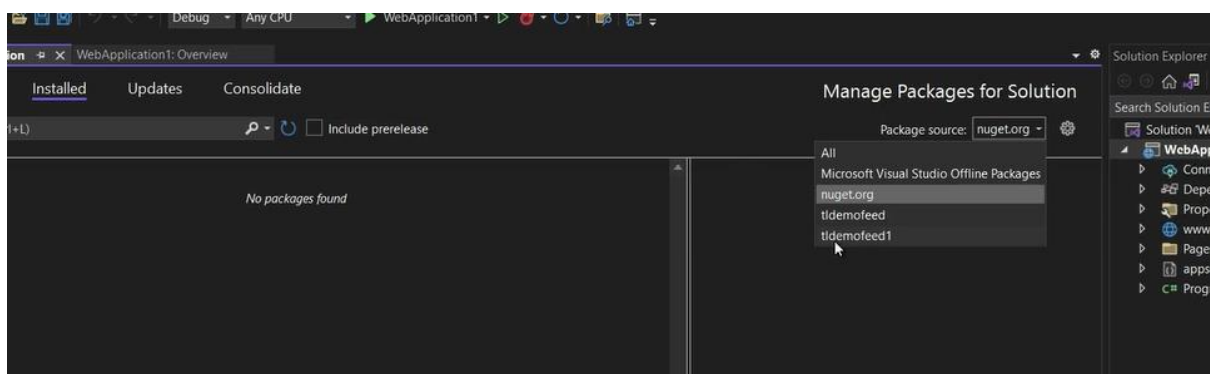
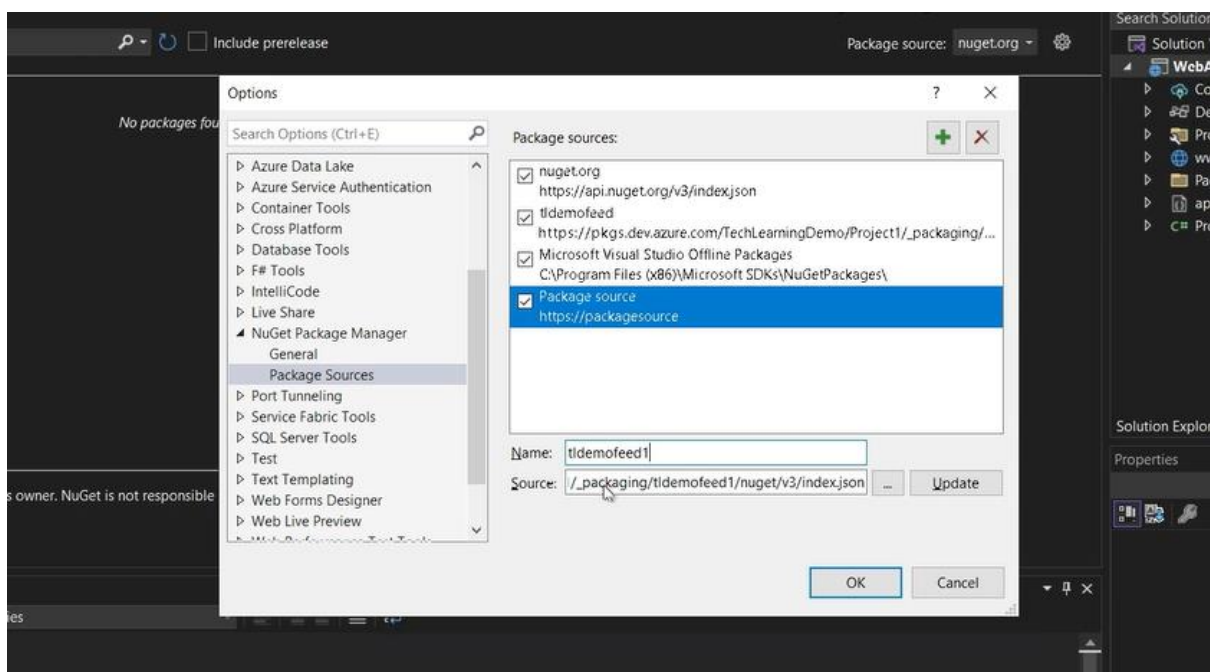
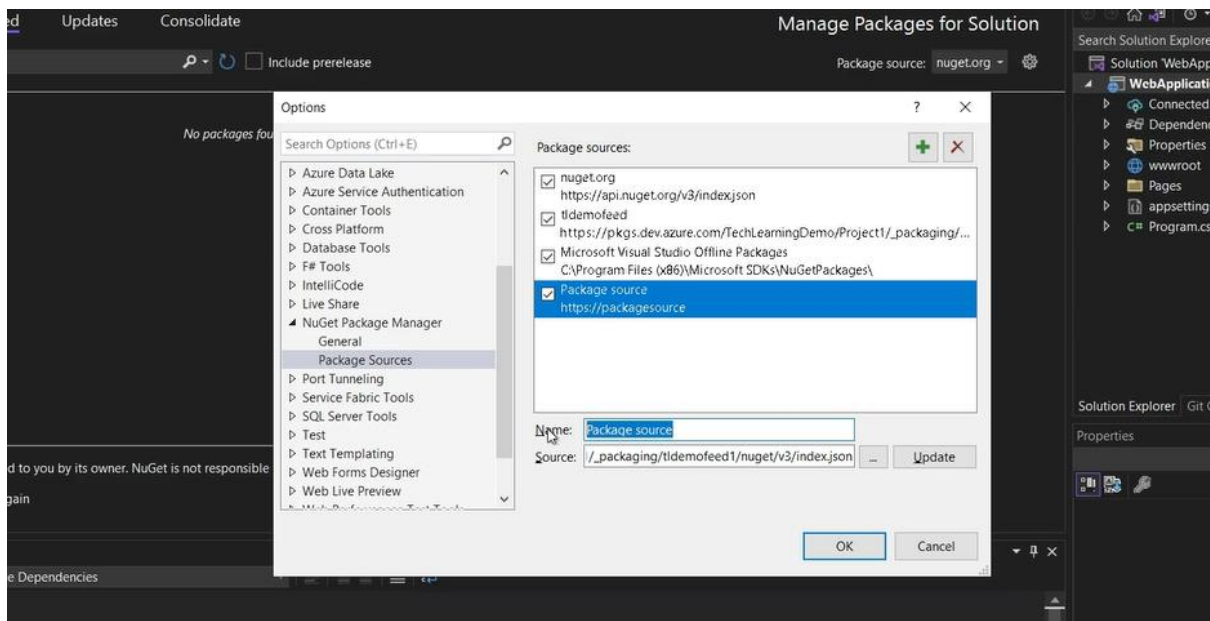
Create ASP.NET Project in Visual Studio



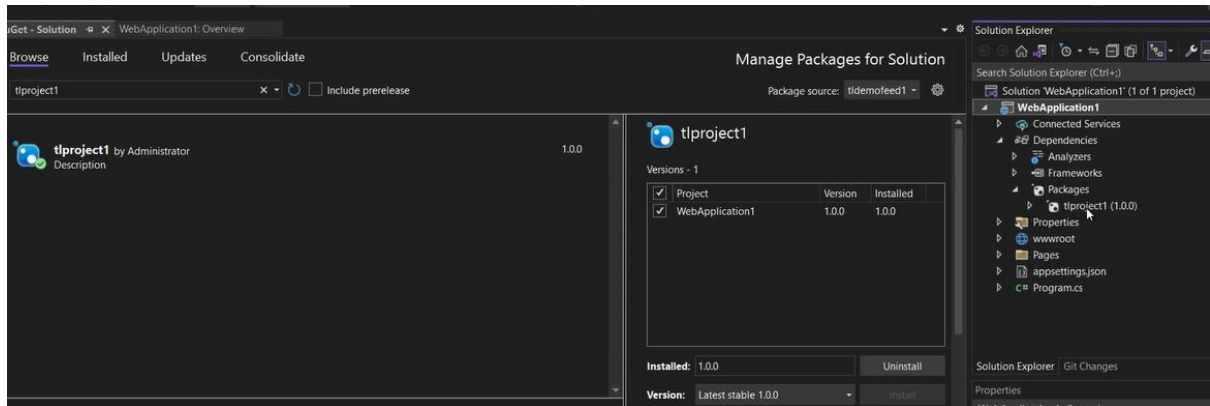
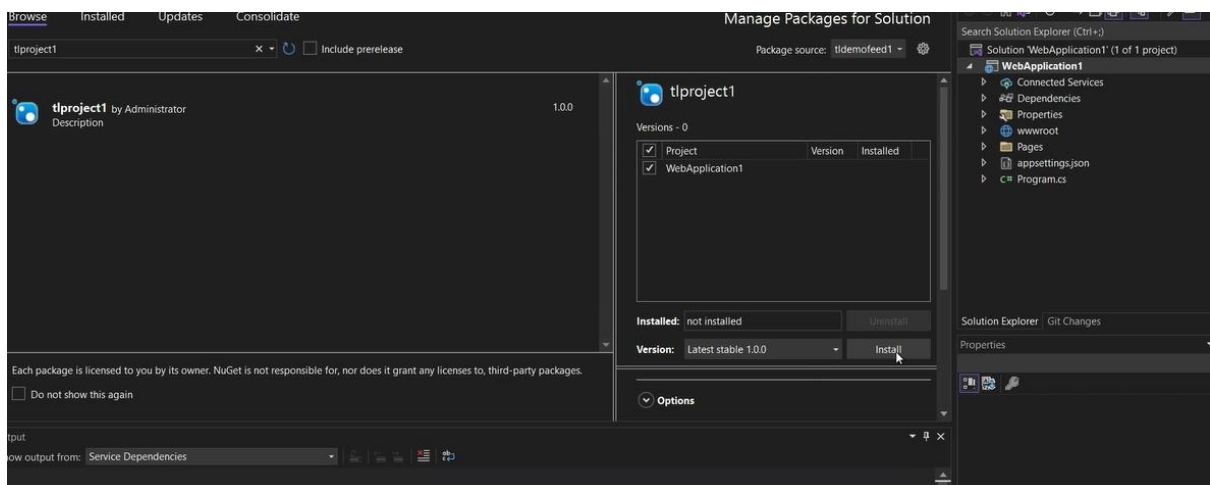
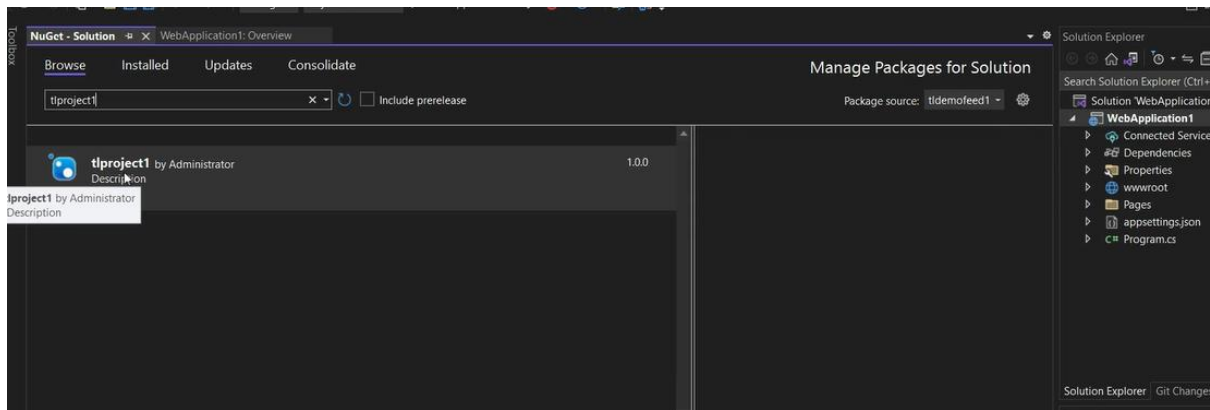
Connect to Feed and click Visual Studio



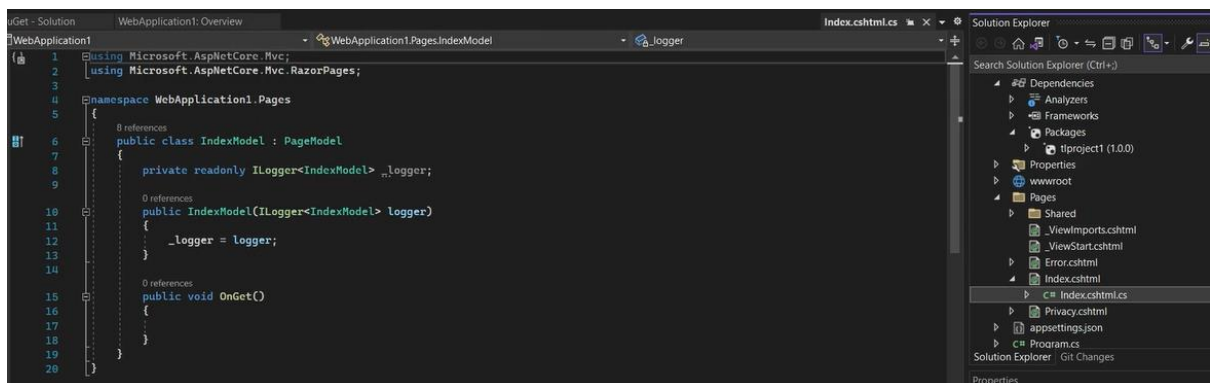
Update the name

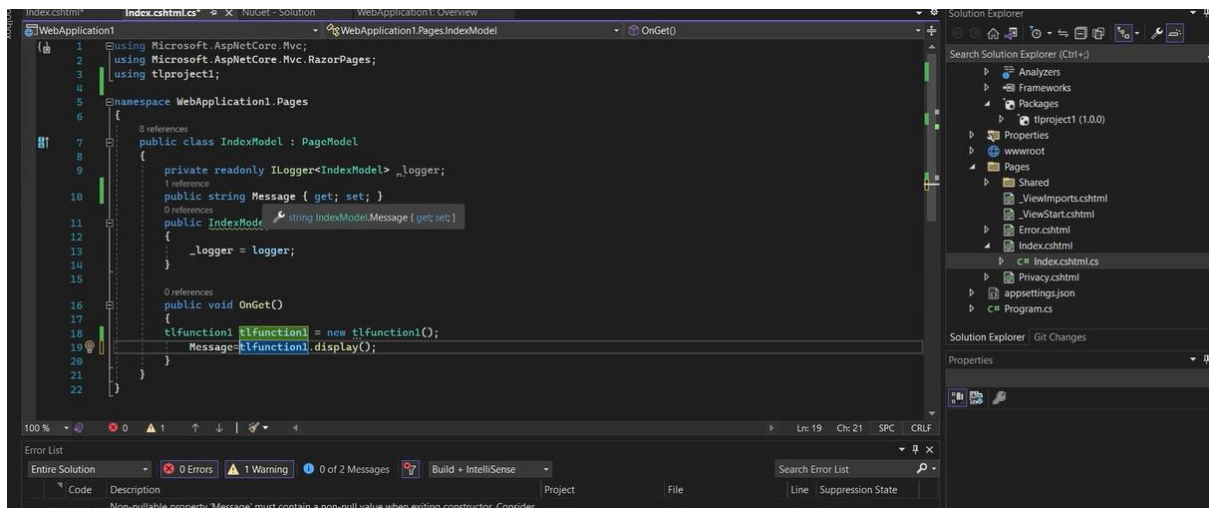


Browse the package and install in your project.

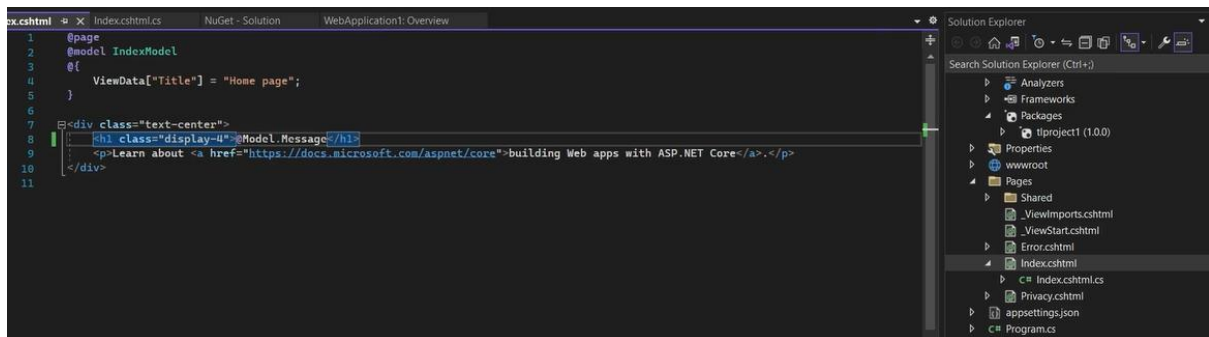


Modify the code as per screenshot

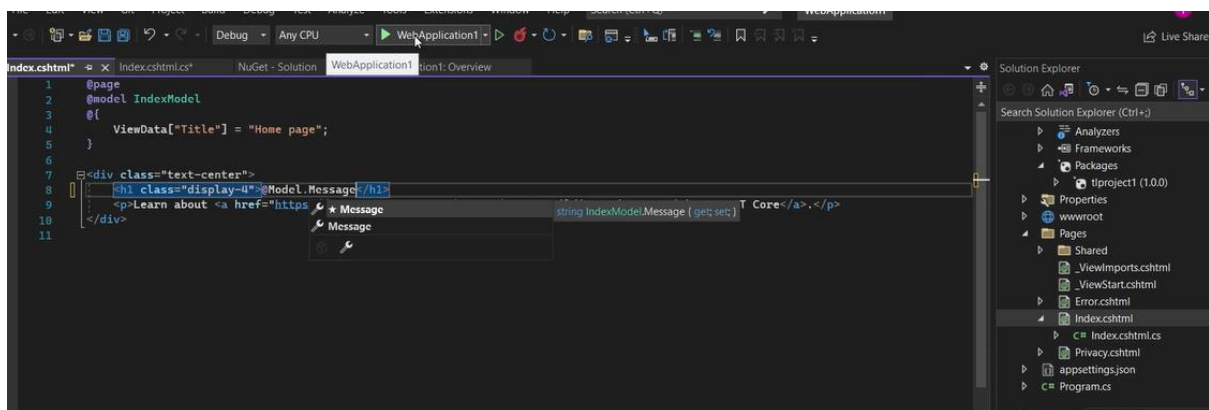




Do changes in default index.cshtml file as per screenshot.



Build your solution





WebApplication1 Home Privacy

I am a function and fetched from
Feed's Package

Learn about [building Web apps with ASP.NET Core](#).