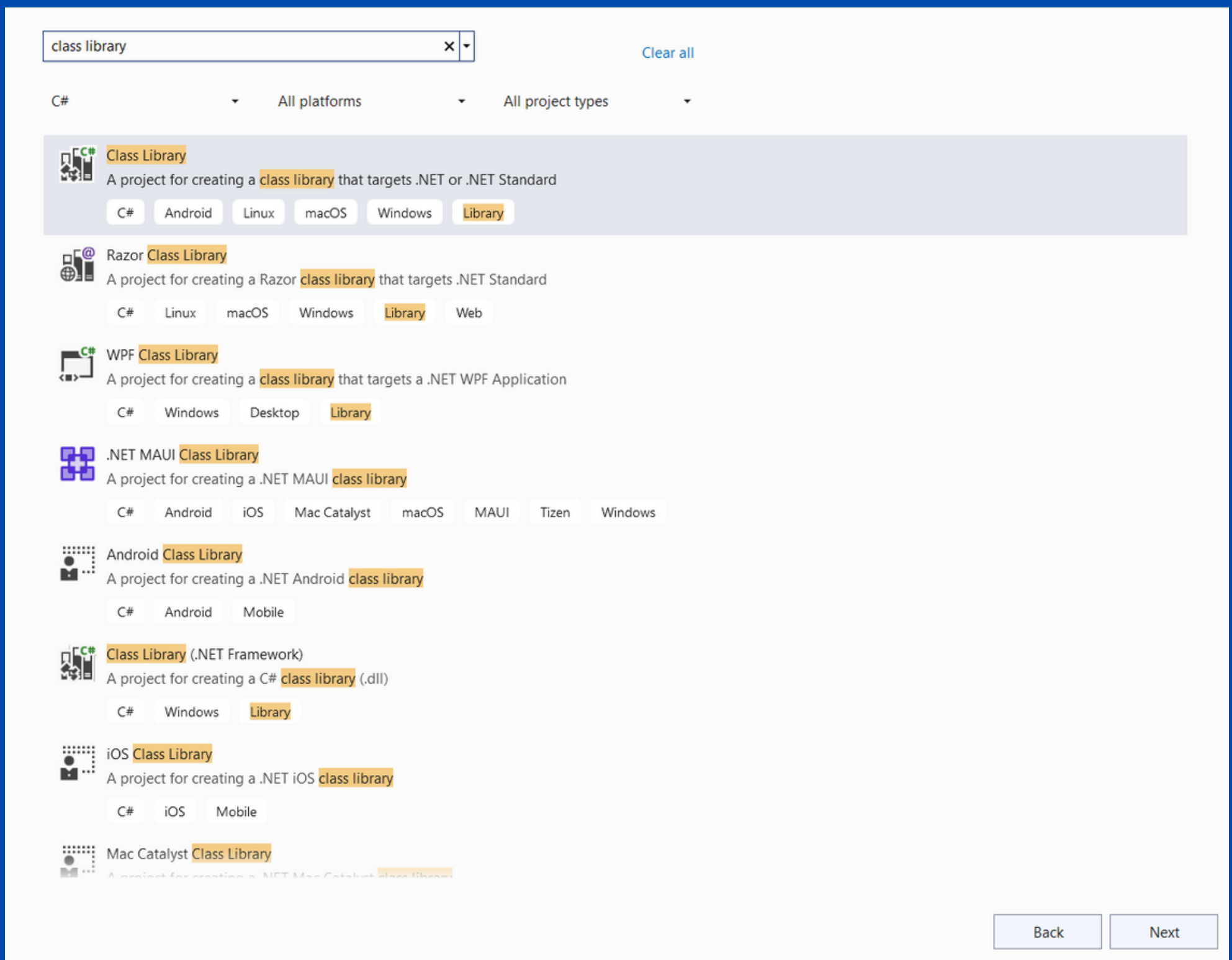# How to create and Publish a Nuget Package in .NET
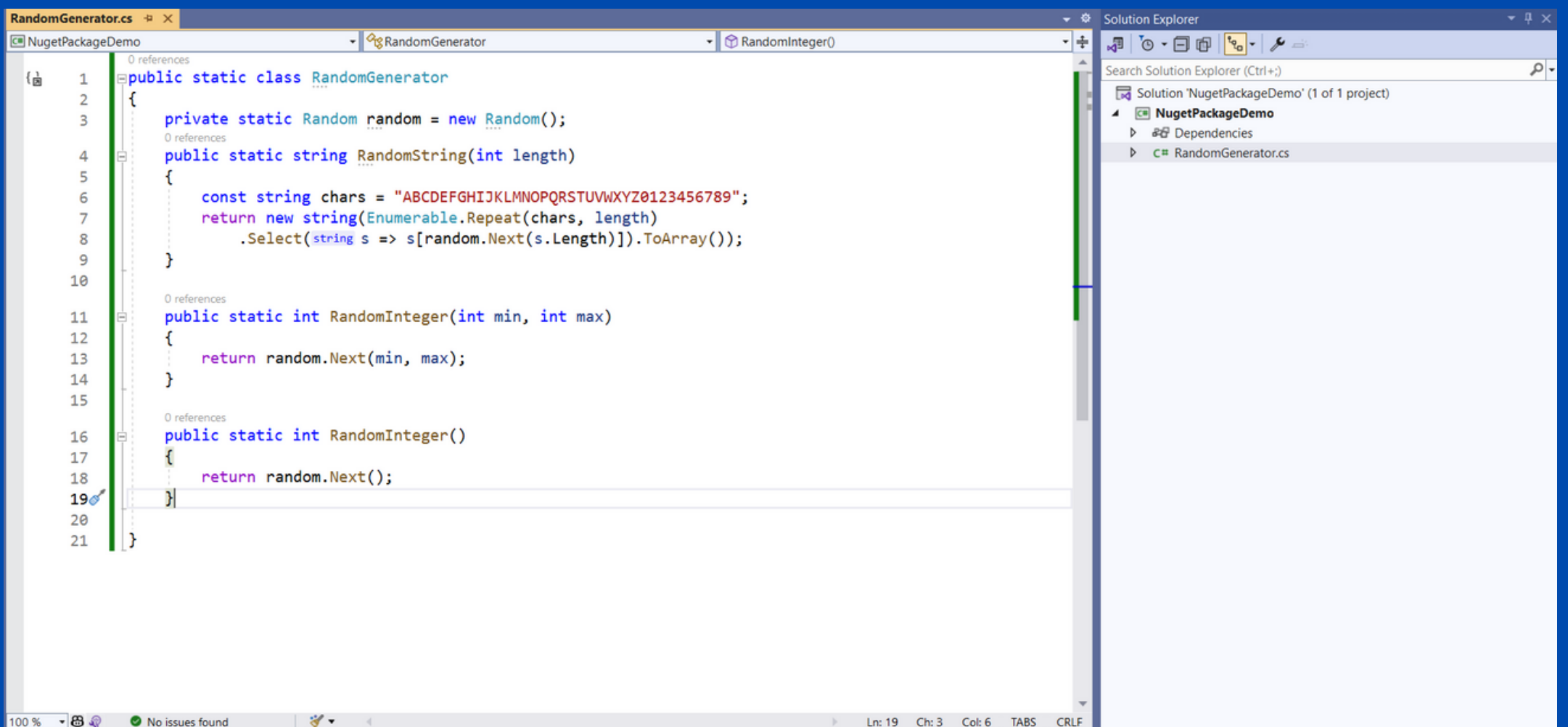
1- Create Visual Studio Project

@MuhamamdWaseem

How to create and Publish a Nuget Package in .NET
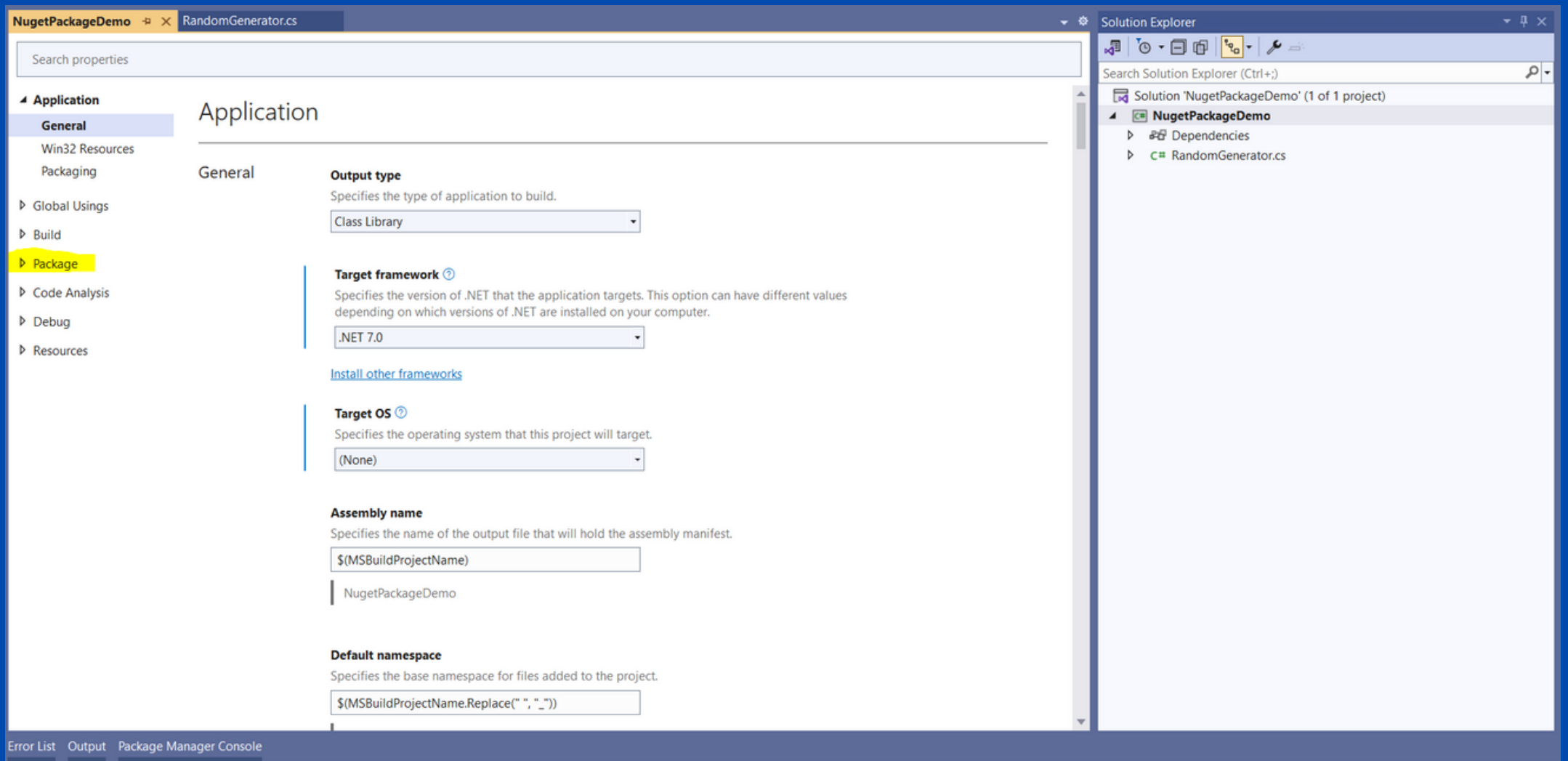
2- Add code for Nuget

```csharp
public static class RandomGenerator
{
    private static Random random = new Random();
    public static string RandomString(int length)
    {
        const string chars = "ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789";
        return new string(Enumerable.Repeat(chars, length)
            .Select(string s => s[random.Next(s.Length)]).ToArray());
    }

    public static int RandomInteger(int min, int max)
    {
        return random.Next(min, max);
    }

    public static int RandomInteger()
    {
        return random.Next();
    }
}
```

How to create and Publish a Nuget Package in .NET

3 – Set Package Configuration

Application

General

Output type
Specifies the type of application to build.

Class Library

Target framework ⓘ
Specifies the version of .NET that the application targets. This option can have different values depending on which versions of .NET are installed on your computer.

.NET 7.0

Install other frameworks

Target OS ⓘ
Specifies the operating system that this project will target.

(None)

Assembly name
Specifies the name of the output file that will hold the assembly manifest.

$(MSBuildProjectName)

NugetPackageDemo

Default namespace
Specifies the base namespace for files added to the project.

$(MSBuildProjectName.Replace(" ", "_"))

Package

General

Generate NuGet package on build

☐ Produce a package file during build operations.
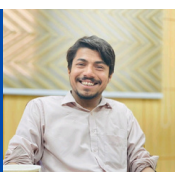
Package ID ⓘ

The case-insensitive package identifier, which must be unique across nuget.org or whatever gallery the package resides in. IDs may not contain spaces or characters that are not valid for a URL, and generally follow .NET namespace rules.
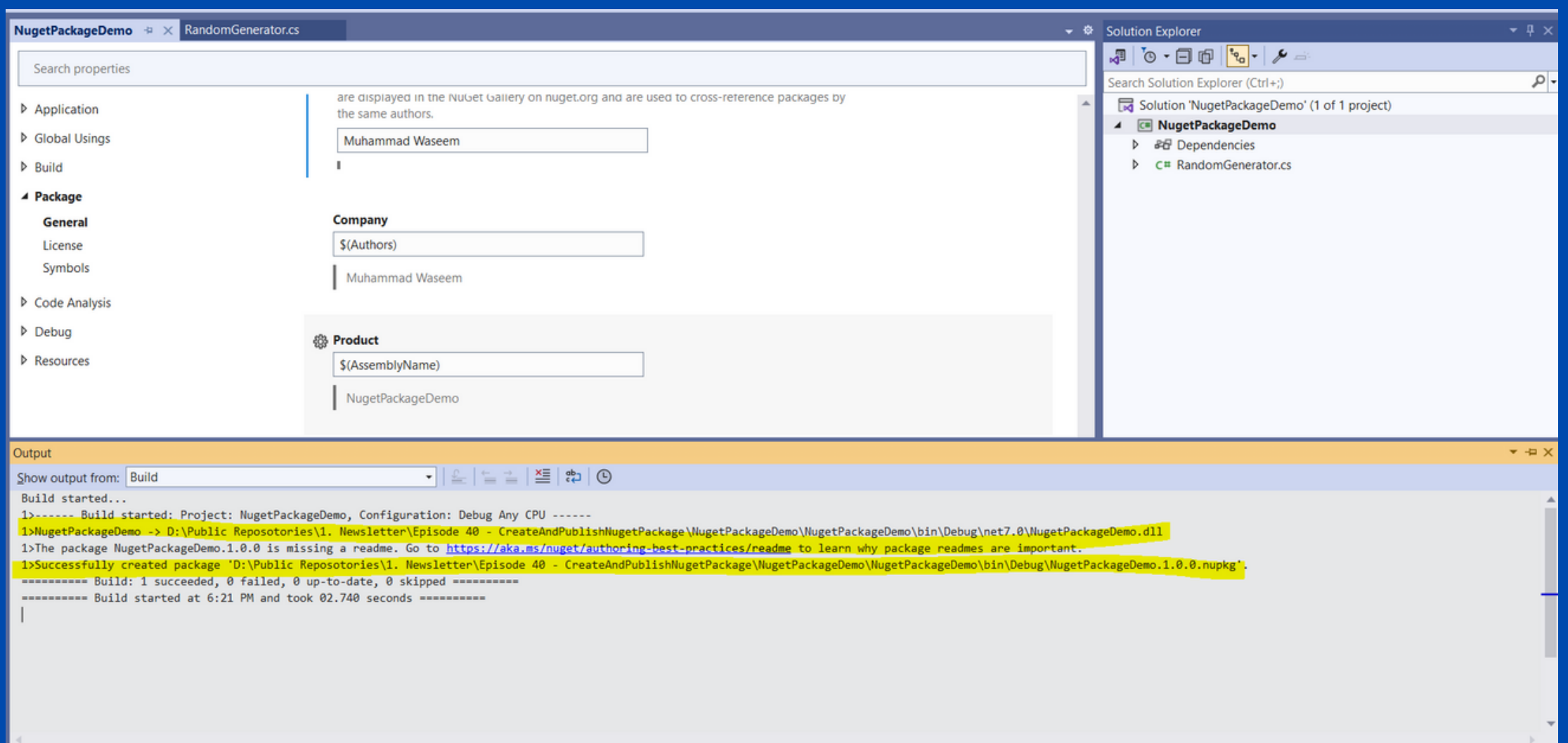
$(AssemblyName)

NugetPackageDemo

Title

A human-friendly title of the package, typically used in UI displays as on nuget.org and the Package Manager in Visual Studio.

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How to create and Publish a Nuget Package in .NET

4 – Build and Create Nupkg File

How to create and Publish a Nuget Package in .NET

5 – Publishing on Nuget.Org

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Check Published Packages

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