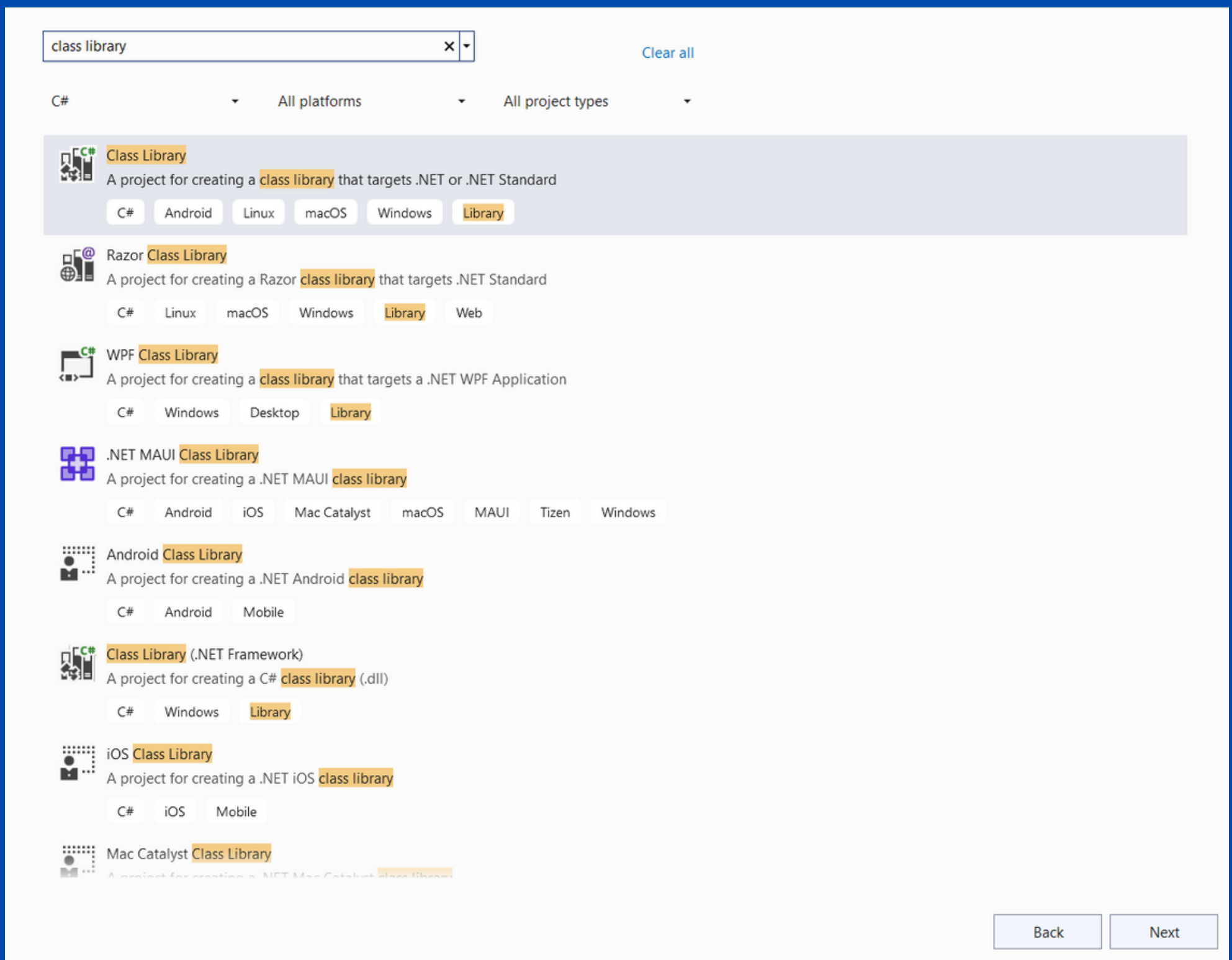


How to create and Publish a Nuget Package in .NET

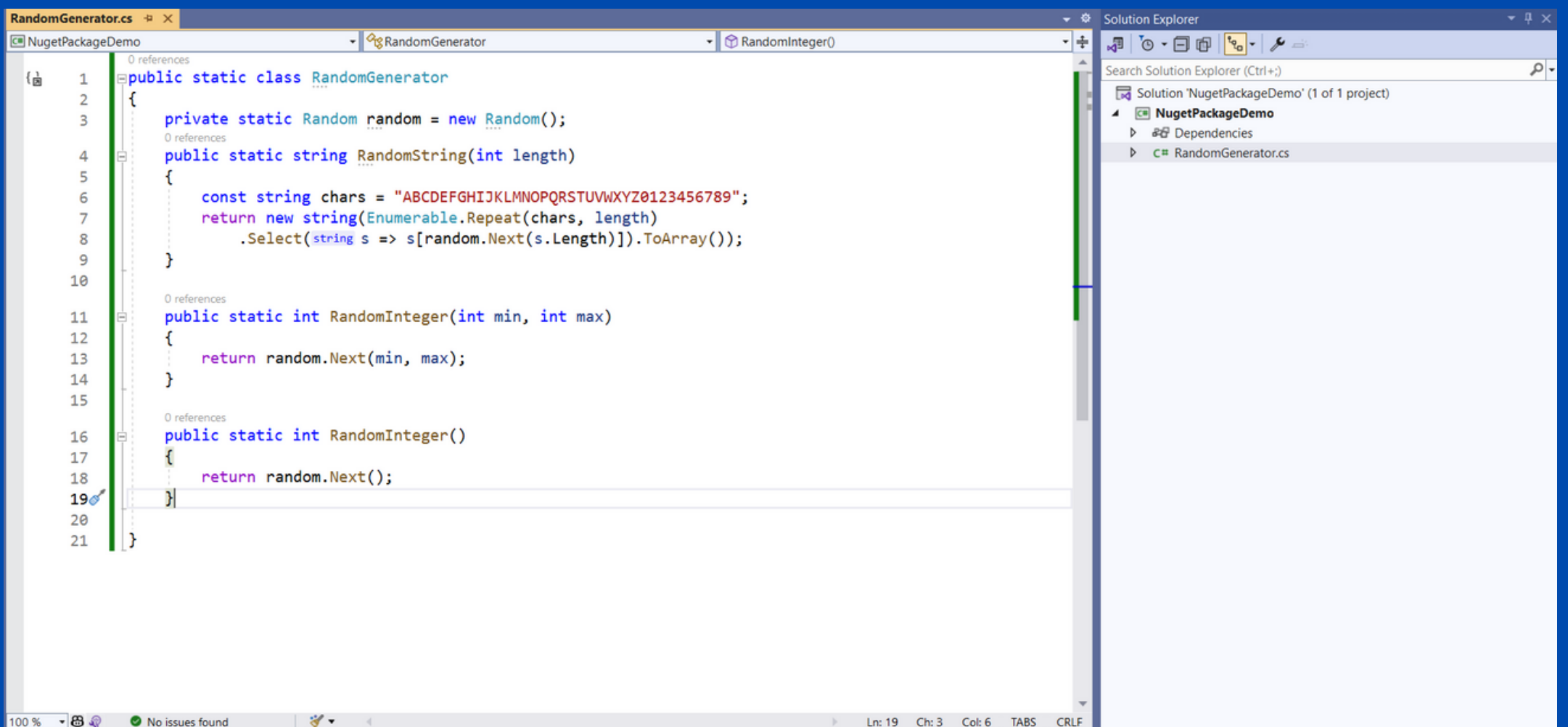
1- Create Visual Studio Project



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2- Add code for Nuget



The screenshot shows the Visual Studio IDE with the following components:

- RandomGenerator.cs** (Line 19 selected):

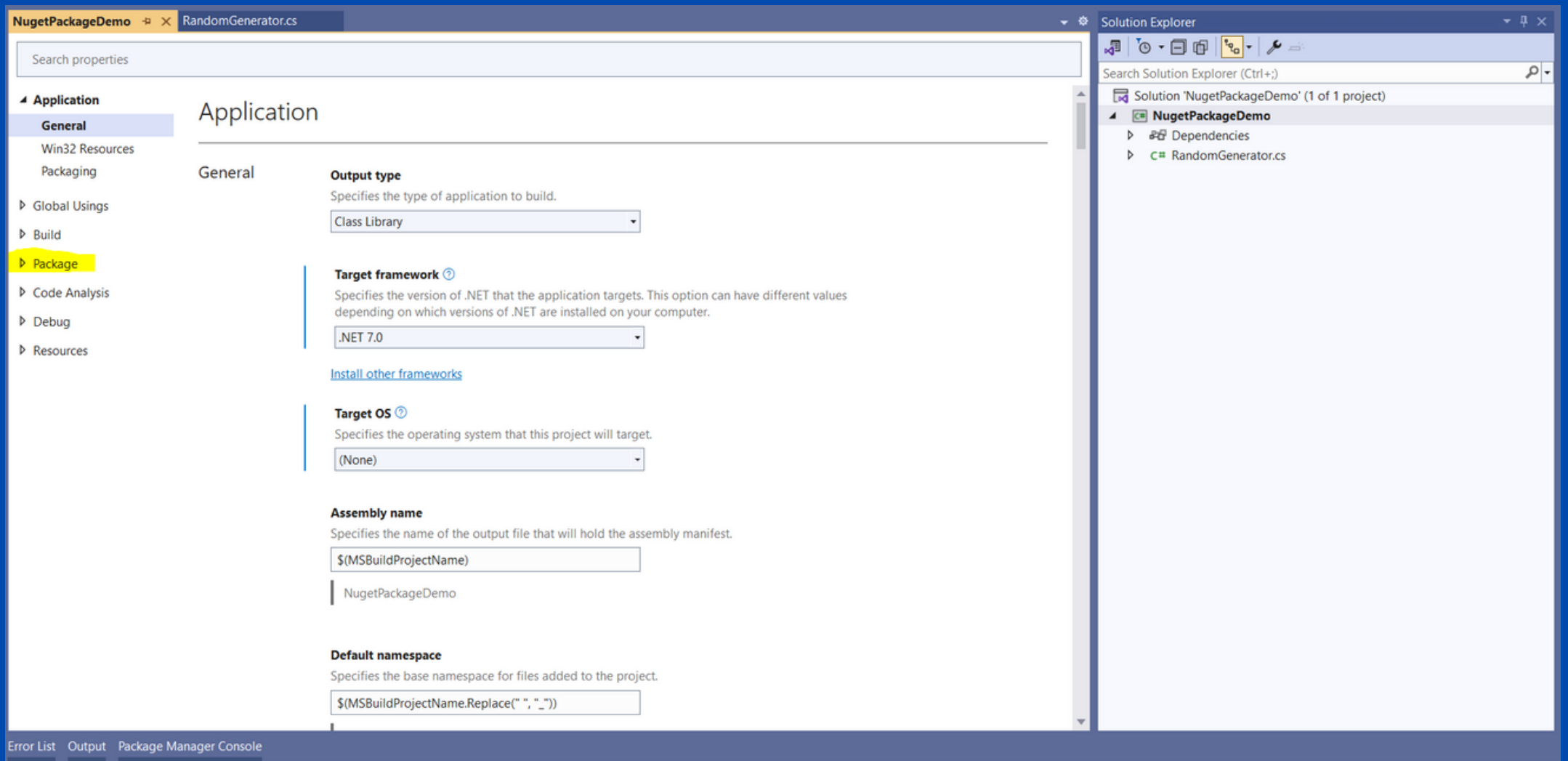
```
1 public static class RandomGenerator
2 {
3     private static Random random = new Random();
4     public static string RandomString(int length)
5     {
6         const string chars = "ABCDEFGHIJKLMNOPQRSTUVWXYZ0123456789";
7         return new string(Enumerable.Repeat(chars, length)
8             .Select(s => s[random.Next(s.Length)]).ToArray());
9     }
10
11     public static int RandomInteger(int min, int max)
12     {
13         return random.Next(min, max);
14     }
15
16     public static int RandomInteger()
17     {
18         return random.Next();
19 }
20
21 }
```
- Solution Explorer**: Shows the project structure for 'NugetPackageDemo' (1 of 1 project). It contains a 'Dependencies' folder and a 'C# RandomGenerator.cs' file.
- Status Bar**: Shows '100 %', 'No issues found', and 'Ln: 19 Ch: 3 Col: 6 TABS CRLF'.



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3 – Set Package Configuration



Package

General

Generate NuGet package on build

☐ Produce a package file during build operations.

Package ID ?

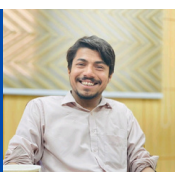
The case-insensitive package identifier, which must be unique across nuget.org or whatever gallery the package resides in. IDs may not contain spaces or characters that are not valid for a URL, and generally follow .NET namespace rules.

\$(AssemblyName)

NugetPackageDemo

Title

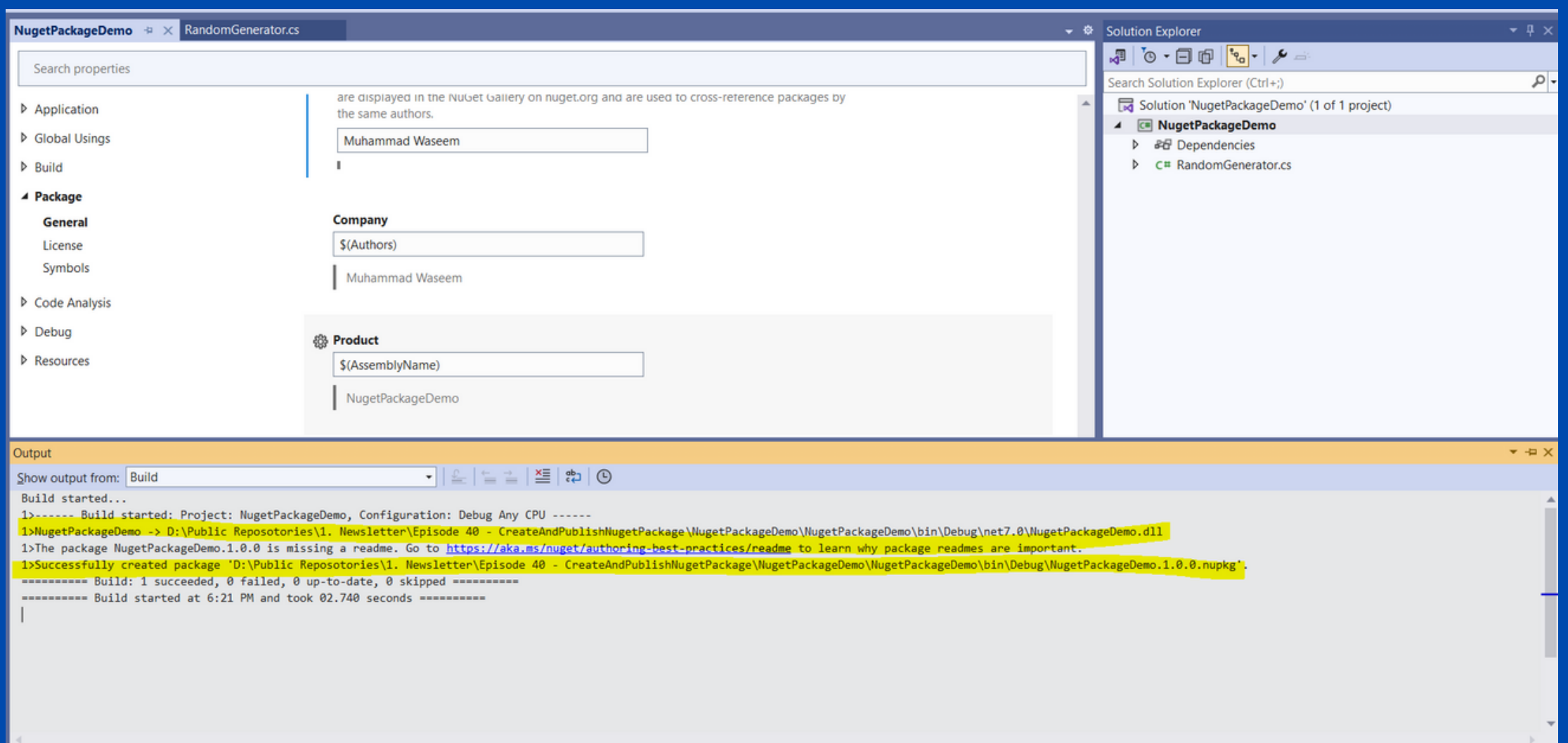
A human-friendly title of the package, typically used in UI displays as on nuget.org and the Package Manager in Visual Studio.



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4 – Build and Create Nupkg File



C > New Volume (D:) > Public Repositories > 1. Newsletter > Episode 40 - CreateAndPublishNugetPackage > NugetPackageDemo > NugetPackageDemo > bin > Debug				
Name	Date modified	Type	Size	
net7.0	12/2/2023 6:21 PM	File folder		
NugetPackageDemo.1.0.0.nupkg	12/2/2023 6:21 PM	NUPKG File	5 KB	



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nuget

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> Packages > Upload

Your package file will be uploaded and hosted on the NuGet Gallery server (<https://www.nuget.org>).

To learn more about authoring great packages, view our [Best Practices](#) page.

> Upload

▼ Verify

We found the following issue(s) with the package. We recommend that you fix these issues and re-upload the package:
⚠ **License** missing. See [how to include a license within the package](#).
⚠ **Readme** missing. See [how to include a readme file within the package, or add it as you upload](#).
To learn more about authoring great packages, view our [Best Practices](#) page.

Package ID
RandomNumberGenerator.Newsletter

Version
1.0.0

Owner
mwaseemzakir

Dependencies
net7.0
No Package Dependencies

Title
Random Number Generator

Description
Demo Nuget Package

Release Notes (for this version)
(none specified)

Project URL
(none specified)

Repository Type
(none specified)

Repository URL
(none specified)

Authors
Muhammad Waseem

Copyright
(none specified)

Tags
(none specified)

Package Visibility
☒ List package in search results

Custom

Url

File

Add Markdown Documentation here...

Preview

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Published Packages 1 package / 65 downloads

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 Multiverse	mwaseemzakir	mwaseemzakir (0 certificates)	65	1.0.0 

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