1. What is a console app?

A console application is an application that runs in a Command Prompt window instead of providing a graphical user interface (GUI).

1. What does Main() (the main method) do in a console application?

The Main method designates the program’s entry point. This method should be deﬁned in the manner speciﬁed in the Program class as a static method; otherwise, the .NET Framework might not recognize it as the starting point for your application when you run it

1. What is the purpose of a namespace?

As a program grows, two issues arise. First, it is harder to understand and maintain big programs than it is to understand and maintain smaller ones. Second, more code usually means more classes, with more methods, requiring you to keep track of more names. As the number of names increases, so does the likelihood of the project build failing because two or more names clash. For example, you might try to create two classes with the same name. Namespaces help solve this problem by creating a container for items such as classes. Two classes with the same name will not be confused with each other if they live in different namespaces

1. What is an assembly?

An assembly is a ﬁle that usually has the .dll ﬁle name extension, although executable programs with the .exe ﬁle name extension are also assemblies. Classes are compiled into assemblies. The .NET Framework class library is split into a number of assemblies, partitioned by the functions that they perform or the technology that they implement. For example, a “core” assembly (actually called mscorlib.dll) contains all the common classes, such as System.Console, and other assemblies contain classes for manipulating databases, accessing web services, building GUIs, and so on. If you want to make use of a class in an assembly, you must add a reference to that assembly to your project. You can then add using directives to your code that bring the items in namespaces in that assembly into scope.

You should note that there is not necessarily a 1:1 equivalence between an assembly and a namespace. A single assembly can contain classes deﬁned in many namespaces, and a single namespace can span multiple assemblies.

1. What is the starting point in a graphical application?

Universal Windows Platform (UWP) enable you to create graphical applications that function on any device that runs windows. You can design the UI of a Windows application interactively. Two views include the design view and the code view.

1. What does Build do?

Clicking Build Solution compiles the C# code, resulting in a program that you can run. The Output window appears below the Code and Text Editor window.

1. What does Debug do?

In the Visual Studio context, when you debug your app, it usually means that you are running the application with the debugger attached (that is, in debugger mode). When you do this, the debugger provides many ways to see what your code is doing while it runs. If you run the program by using the Start Debugging command on the Debug menu, the application runs, but the command window closes immediately without waiting for you to press a key