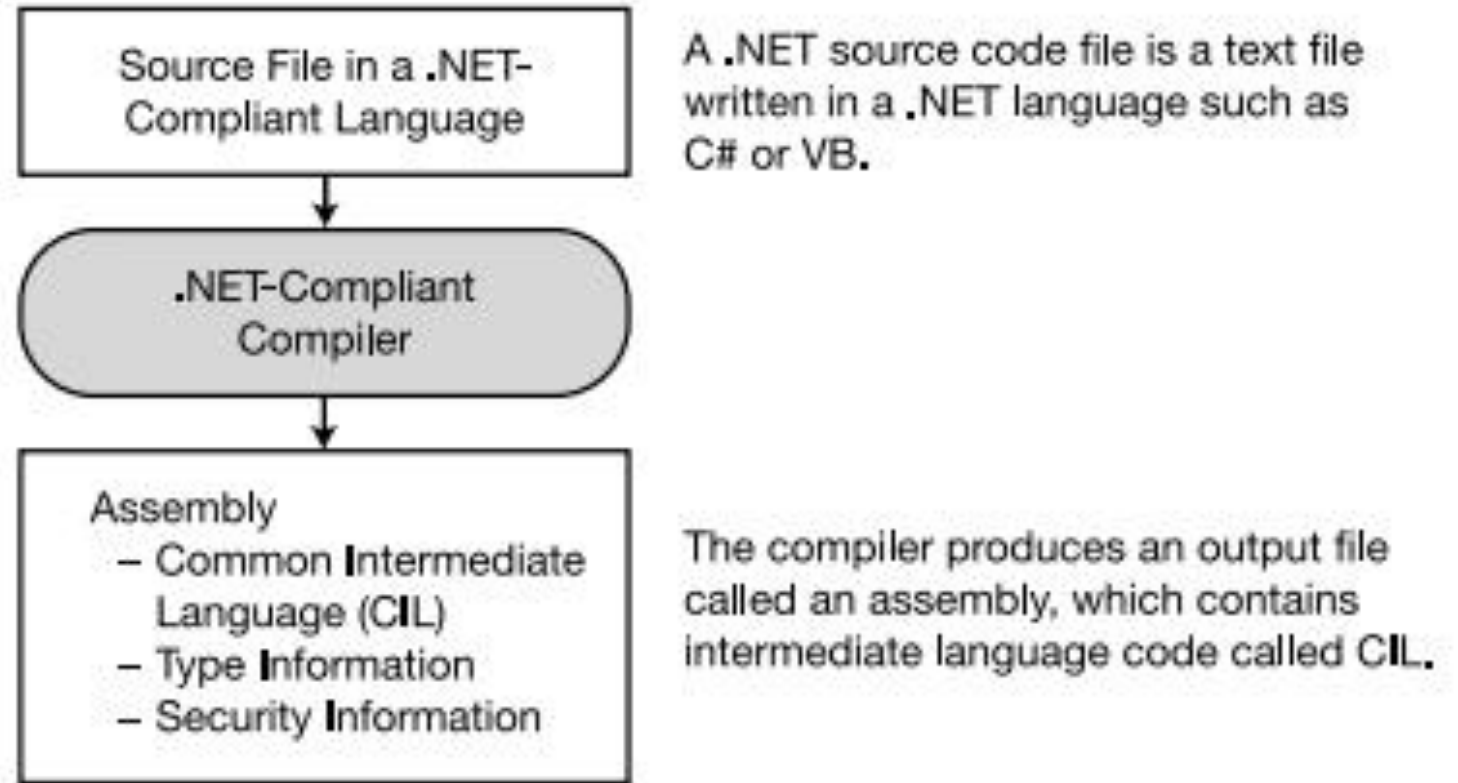


Compiling to the Common Intermediate Language (CIL)

Compilation process

A **assembly** is a compiled output of your code, usually a DLL or EXE. This is the smallest deployment unit for any .NET project. The process is illustrated in Figure.



- The code in the assembly is not a machine code, but an intermediate language called common intermediate language (CIL).
- The assembly, among other things, contains the following elements:
 - CIL programs
 - Metadata about the types used in the program
 - Metadata about links to other assemblies



Questions

- **What is an assembly?**
- **What is assembly code?**
- **What items does the assembly contain?**
- **What was shown in the diagram?**