**Microsoft Visual Studio** is an [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE) from [Microsoft](https://en.wikipedia.org/wiki/Microsoft). It is used to develop [computer programs](https://en.wikipedia.org/wiki/Computer_program) for [Microsoft Windows](https://en.wikipedia.org/wiki/Microsoft_Windows), as well as [web sites](https://en.wikipedia.org/wiki/Web_site), [web applications](https://en.wikipedia.org/wiki/Web_application) and [web services](https://en.wikipedia.org/wiki/Web_service). Visual Studio uses Microsoft software development platforms such as [Windows API](https://en.wikipedia.org/wiki/Windows_API), [Windows Forms](https://en.wikipedia.org/wiki/Windows_Forms), [Windows Presentation Foundation](https://en.wikipedia.org/wiki/Windows_Presentation_Foundation), [Windows Store](https://en.wikipedia.org/wiki/Windows_Store) and [Microsoft Silverlight](https://en.wikipedia.org/wiki/Microsoft_Silverlight). It can produce both [native code](https://en.wikipedia.org/wiki/Native_code) and [managed code](https://en.wikipedia.org/wiki/Managed_code). Visual Studio supports different [programming languages](https://en.wikipedia.org/wiki/Programming_language) and allows the code editor and debugger to support (to varying degrees) nearly any programming language, provided a language-specific service exists. Built-in languages include [C](https://en.wikipedia.org/wiki/C_%28programming_language%29), [C++](https://en.wikipedia.org/wiki/C%2B%2B) and [C++/CLI](https://en.wikipedia.org/wiki/C%2B%2B/CLI) (via [Visual C++](https://en.wikipedia.org/wiki/Visual_C%2B%2B)), [VB.NET](https://en.wikipedia.org/wiki/VB.NET) (via [Visual Basic .NET](https://en.wikipedia.org/wiki/Visual_Basic_.NET)), [C#](https://en.wikipedia.org/wiki/C_Sharp_%28programming_language%29) (via [Visual C#](https://en.wikipedia.org/wiki/Visual_C_Sharp)), and [F#](https://en.wikipedia.org/wiki/F_Sharp_%28programming_language%29) (as of Visual Studio 2010).

**NetBeans** is a [software development](https://en.wikipedia.org/wiki/Software_development) platform written in [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29). The NetBeans [Platform](https://en.wikipedia.org/wiki/Platform_%28computing%29) allows applications to be developed from a set of modular [software components](https://en.wikipedia.org/wiki/Software_component) called *modules*. Applications based on the NetBeans Platform, including the NetBeans [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE), can be extended by [third party developers](https://en.wikipedia.org/wiki/Third_party_developer). The NetBeans IDE is primarily intended for development in Java, but also supports other languages, in particular [PHP](https://en.wikipedia.org/wiki/PHP), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29)/[C++](https://en.wikipedia.org/wiki/C%2B%2B) and [HTML5](https://en.wikipedia.org/wiki/HTML5).

**Eclipse** is an [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE). It contains a base [workspace](https://en.wikipedia.org/wiki/Workspace) and an extensible [plug-in](https://en.wikipedia.org/wiki/Plug-in_%28computing%29) system for customizing the environment. Eclipse is written mostly in [Java](https://en.wikipedia.org/wiki/Java_%28programming_language%29) and its primary use is for developing Java applications, but it may also be used to develop applications in other [programming languages](https://en.wikipedia.org/wiki/Programming_language) through the use of plugins, including: [Ada](https://en.wikipedia.org/wiki/Ada_%28programming_language%29), [ABAP](https://en.wikipedia.org/wiki/ABAP), [C](https://en.wikipedia.org/wiki/C_%28programming_language%29), [C++](https://en.wikipedia.org/wiki/C%2B%2B), [COBOL](https://en.wikipedia.org/wiki/COBOL), [Fortran](https://en.wikipedia.org/wiki/Fortran), [Haskell](https://en.wikipedia.org/wiki/Haskell_%28programming_language%29), [JavaScript](https://en.wikipedia.org/wiki/JavaScript), [Lasso](https://en.wikipedia.org/wiki/Lasso_%28programming_language%29), [Lua](https://en.wikipedia.org/wiki/Lua_%28programming_language%29), [Natural](https://en.wikipedia.org/wiki/NATURAL), [Perl](https://en.wikipedia.org/wiki/Perl), [PHP](https://en.wikipedia.org/wiki/PHP), [Prolog](https://en.wikipedia.org/wiki/Prolog), [Python](https://en.wikipedia.org/wiki/Python_%28programming_language%29), [R](https://en.wikipedia.org/wiki/R_%28programming_language%29), [Ruby](https://en.wikipedia.org/wiki/Ruby_%28programming_language%29) (including [Ruby on Rails](https://en.wikipedia.org/wiki/Ruby_on_Rails) framework), [Scala](https://en.wikipedia.org/wiki/Scala_%28programming_language%29), [Clojure](https://en.wikipedia.org/wiki/Clojure), [Groovy](https://en.wikipedia.org/wiki/Groovy_%28programming_language%29), [Scheme](https://en.wikipedia.org/wiki/Scheme_%28programming_language%29), and [Erlang](https://en.wikipedia.org/wiki/Erlang_%28programming_language%29). Eclipse [SDK](https://en.wikipedia.org/wiki/Software_development_kit) is [free and open source software](https://en.wikipedia.org/wiki/Free_and_open_source_software).

**Code::Blocks** is a [free](https://en.wikipedia.org/wiki/Free_software), [open source](https://en.wikipedia.org/wiki/Open_source_software) [cross-platform](https://en.wikipedia.org/wiki/Cross-platform) [IDE](https://en.wikipedia.org/wiki/Integrated_development_environment) that supports multiple [compilers](https://en.wikipedia.org/wiki/Compilers) including [GCC](https://en.wikipedia.org/wiki/GNU_Compiler_Collection), [Clang](https://en.wikipedia.org/wiki/Clang) and [Visual C++](https://en.wikipedia.org/wiki/Visual_C%2B%2B). It is developed in [C++](https://en.wikipedia.org/wiki/C%2B%2B) using [wxWidgets](https://en.wikipedia.org/wiki/WxWidgets) as the [GUI](https://en.wikipedia.org/wiki/Graphical_user_interface) (**Graphical user interface**) toolkit. Using a plugin architecture, its capabilities and features are defined by the provided plugins. Currently, Code::Blocks is oriented towards [C](https://en.wikipedia.org/wiki/C_%28programming_language%29), [C++](https://en.wikipedia.org/wiki/C%2B%2B), and [Fortran](https://en.wikipedia.org/wiki/Fortran). It has a custom [build system](https://en.wikipedia.org/wiki/Build_automation) and optional [Make](https://en.wikipedia.org/wiki/Make_%28software%29) support.

**Aptana Studio** is an [open source](https://en.wikipedia.org/wiki/Open_source) [integrated development environment](https://en.wikipedia.org/wiki/Integrated_development_environment) (IDE) for building web applications. Based on [Eclipse](https://en.wikipedia.org/wiki/Eclipse_%28software%29), it supports JavaScript, [HTML](https://en.wikipedia.org/wiki/HTML), [DOM](https://en.wikipedia.org/wiki/Document_Object_Model) and [CSS](https://en.wikipedia.org/wiki/Cascading_Style_Sheets) with [code-completion](https://en.wikipedia.org/wiki/Autocomplete), outlining, JavaScript debugging, error and warning notifications and integrated documentation. Additional plugins allow Aptana Studio to support [Ruby on Rails](https://en.wikipedia.org/wiki/Ruby_on_Rails), PHP, Python, Perl, Adobe AIR, Apple iPhone and Nokia WRT (Web Runtime). Aptana Studio is available as a standalone on [Windows](https://en.wikipedia.org/wiki/Microsoft_Windows), [Mac OS X](https://en.wikipedia.org/wiki/Mac_OS_X) and [Linux](https://en.wikipedia.org/wiki/Linux), or as a [plugin](https://en.wikipedia.org/wiki/Plug-in_%28computing%29) for Eclipse.