

Bing

C++ is a general-purpose, object-oriented programming language that builds upon the foundation of the C programming language. It allows you to create efficient and maintainable code while offering high-level abstractions.

Here are some reasons why C++ is still in use:

- Superior performance
- Fine-grained control over hardware
- Rich legacy of libraries and applications

These features make C++ the ideal language for the development of video games, operating systems, web browsers, system software, and many more.

To run C++ programs, you will need two things: A C++ Compiler and a code editor or an IDE (Integrated Development Environment). Some popular C++ compilers include GCC (GNU Compiler Collection), Clang, and Microsoft Visual C++. Code editors are lightweight software you can use to write and edit your C++ code. However, you usually need to install the relevant plugins and extensions before you can run your C++ code.

While you can write C++ code in a simple text editor, using an Integrated Development Environment can significantly enhance your productivity. Some popular C++ IDEs include Code::Blocks, Eclipse, and Visual Studio.

Remember, the C++ extension uses the C++ compiler you have installed on your machine to build your program. Make sure you have a C++ compiler installed before attempting to run and debug your program in VS Code.