Setting Up the C Programming Environment

To develop C programs, a programmer needs a C compiler and an Integrated Development Environment (IDE). A compiler translates human-readable C code into machine-readable code. GCC (GNU Compiler Collection) is one of the most popular C compilers.

An IDE such as DevC++, CodeBlocks, or Visual Studio Code provides tools for writing, editing, compiling, and debugging programs in one place. Setting up the environment involves installing the compiler, installing the IDE, and configuring the compiler path inside the IDE.

A properly configured environment helps programmers write programs easily, find errors quickly, and run programs smoothly.