what is c-language

C is a general-purpose, imperative, procedural programming language developed by Dennis Ritchie at Bell Labs in 1972. It was primarily designed to develop the UNIX operating system. C is known for its efficiency, low-level memory access capabilities through pointers, and its ability to be compiled into machine-level code, which allows for fast execution. It serves as a foundational language, influencing the syntax and features of many other prominent programming languages like C++, Java, and C#.