

ABOUT JAVA

Java is a [high-level](#), [class-based](#), [object-oriented programming language](#) that is designed to have as few implementation [dependencies](#) as possible. It is a [general-purpose](#) programming language intended to let [programmers](#) *write once, run anywhere* ([WORA](#)),^[16] meaning that [compiled](#) Java code can run on all platforms that support Java without the need to recompile.^[17] Java applications are typically compiled to [bytecode](#) that can run on any [Java virtual machine](#) (JVM) regardless of the underlying [computer architecture](#). The [syntax](#) of Java is similar to [C](#) and [C++](#), but has fewer [low-level](#) facilities than either of them. The Java runtime provides dynamic capabilities (such as [reflection](#) and runtime code modification) that are typically not available in traditional compiled languages.