

## **What is the operating system core language?**

The Linux Kernel and most UNIX utilities, what you would call the operating system depending on how pedantic you want to be, are written in C.

Windows uses a kernel written in C, with most utilities and applications written in C++

Both iOS and OSX (the "Apple OS"), are written in a combination of C and Objective-C, C is used for the mach kernel and other lower levels. Objective-C is used for the higher levels.

Android is built on top of Linux, and a large portion of it is written in C. There are swaths of code written in C++ though. Also, most of the application framework (the stuff you would call android, and almost everything you see on screen) is written in Java.

Generally speaking, C was created alongside UNIX and is a fantastic language for writing things like operating systems. In all of my above examples, assembly is used for performance-critical situations. However, the entire operating system is not written in assembly because the resulting code would be unportable and hard to maintain.