C" program coding "good style" principles

Our Software Engineering Team (SET) is focusing on good practices that enhance the effectiveness of our "C" code.

We are simply following "C" program coding "good style" principles, which are based on fundamental Software engineering principles and defined as:

• Organized • Easy to read • Easy to understand • Maintainable • Efficient • Follow ANSI C standards

"Good programming style begins with the effective organization of code. By using a clear and consistent organization of the components of your programs, you make them more efficient, readable, and maintainable." – Steve Oualline, **"C" Elements of Style**

What programming language are operating systems written in?

Windows, Apple OS, Android, and any other major OS.

3rd Party Source: https://www.quora.com/What-programming-language-are-operating-systems-written-in

Brian Cloutier 26.3k Views • Upvoted by Glyn Williams

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 (I am not authoritative so take this with a grain of salt) 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.

What programming language are fastest?

3rd Party Source: http://benchmarksgame.alioth.debian.org/u64q/which-programs-are-fastest.html