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1. Write briefly on UNIX operating system especially Linux flavor.

Linux is created to mimic Unix but it's not derived from Unix source code. Linux is created by Linus Torvalds. Linux is a multi-user environment.

1. Write a short note on software functional requirements.

For example, Schoology app must allow students to submit assignments, it must allow teachers to post files and others as lectures, e.t.c. all the calculations, technical details, data manipulation and processing, and other specific functionality to accomplish the above functions are the software functional requirements.

1. Why does Unix often prefer at some points?

Unix and unix-like OS are preferred because of their following properties: developer-friendliness, core security features, portability and performance.

1. Why does Unix being referred to as a scientist OS?

Unix is called a scientist OS because it was created by scientists at Bell labs.

1. What type of programming language is C?

C is a structured, procedural programming language because a program in C language can be divided into small logical functional modules or structures with the help of function procedure. C is also called a statically-typed compiled language because C does not assign data types to variables, this function is done explicitly by the developer.

1. Give the detailed structure of a complete C programming language.
2. How can I create a C programming file on the OS?

C files always end with ".c" file extension e.g filename.c. One can use text editors like vim, nano, e.t.c to edit the file.