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Why Linux Is Better for Learning Programming

Author - 👤 Sakib Mahmud
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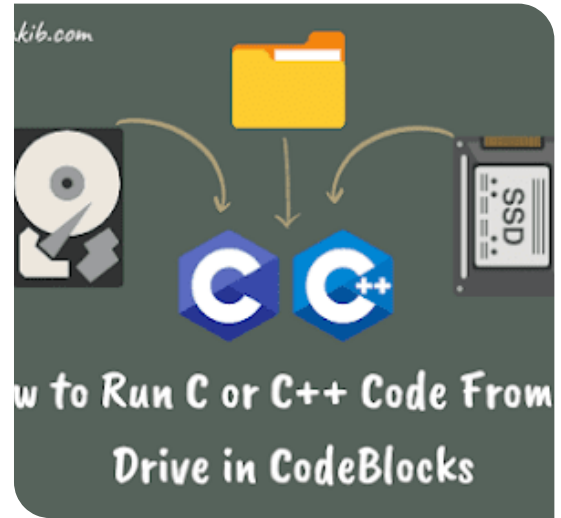https://www.esakib.com/2022/08/why-linux-is-better-for-learning-programming.html If you are a computer geek, you must know about the Linux operating system. It is being used in different sectors over the world. Various programmers use Linux operating system as their primary system. They do everything from programming to other simple tasks through the Linux operating system. In this case, many of us have questions, why do they give more priority to the Linux operating system?

Earlier I used to practice programming on Windows operating system. But for quite some time, I have been trying to program using Linux operating system. Got a clear idea about the pros and cons of the Linux operating system. In this article, I will explain the advantages and

disadvantages of learning or doing programming in the Linux operating system.

Advantages of Linux operating system in terms of programming

Few distractions

Many of us know about the many advantages of Linux, and one of these advantages is that it looks simple and can do almost anything. But when you first learn to program and implement them, you need to stay away from distractions, and mainstream Linux distros tend to have very simple interfaces.

In most cases, when we want to learn something new, the fewer distractions we have, the better. In this regard, Linux distributions have fewer media applications than Mac and Windows. So a new programmer can focus on his work very efficiently.

Easy-to-use user interface

Nowadays, Linux operating systems are designed so new users can easily use the various features of Linux. For example, the ubuntu operating system has a very simple interface, and users can use it very easily.

You can switch to Linux anytime if you already use the Windows or Mac operating system. It's a great operating system where you can interact directly with your hardware. Since the interface is very simple, a programmer can directly do various tasks very quickly where he does not have to bother much with the interface.

The packages required for programming can be installed very easily

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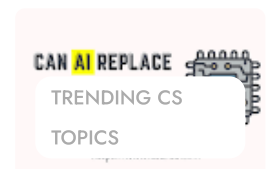

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We need different packages and files for various programming languages. In that case, they can be easily downloaded and installed using the Linux operating system. In this case, you only need to write some commands using a command line interface, and according to those commands, the packages will be downloaded and installed on your system. On the other hand, in the case of Windows and Mac operating systems, you had to install software for them separately or use the package installer.

As an example, we can talk about the C program. For C, we need the GCC compiler. In this case, you can install everything required for the compiler on your system using just one command. But in the case of Windows and Mac OS, you had to install the compiler separately. You don't have to bother so much while using Linux.

Here is an article about CodeBlocks Can't Find Compiler problem.

Linux operating system is very fast

Many of us do not have good computers; even if we have computers, they are very old. In this case, Linux operating system may be best for you. Because it works very fast. Since the Linux operating system can work much faster, you need to spend less time using it.

It can be run on older machines

There are many countries where the economic conditions are not very good, and the families there are not in a good financial position to afford a good computer. In this case, they use old computers where they install Linux operating system and use those old computers very easily. Besides, if you have an old laptop at home, you

can install lightweight distributions of Linux on it. Through this, you can use your laptop very easily. Through this, we refrain from creating e-waste ie we are not polluting the environment.

Compiles code much faster

If you compile a program using Linux operating system, you will find that its execution time is less than Windows. I have run several programs on both devices and found that the Linux operating system compiles code much faster, and the execution time is much lower than Windows.

Disadvantages of Linux operating system in programming

Different companies are constantly creating different software for developers. In this case, Windows operating system is given the most priority in creating any new software. Later that software comes to Linux operating system, but it takes some time. Due to this Linux operating system, users have to wait for some time.

For those new to Linux operating system, installing software is a bit difficult because Linux operating system is slightly different from Windows. Many Linux distributions now have app stores directly integrated, but the problem is that much essential software is still not available in these app stores.

Apart from these problems, there is no such problem with Linux. It is a self-contained operating system where you have full control of your device in your own hands, so it is a big plus.

Should you use Linux operating system as a programmer?

As a programmer, we should have an understanding of multiple operating systems. At different times we may need to use them according to the variation of our work. For example, Linux operating system may be used when we work with a server. Most web servers now run on Linux operating systems, which is why you need some knowledge of Linux. Besides, Windows operating system is also important for us because this operating system is being used in servers, and Windows operating system is given more priority in most schools and colleges.

If you have two separate devices, I recommend using your preferred operating system and Linux on the other. Like I have a laptop and a desktop. I could not use Windows on the laptop as it was old. I installed Linux's Ubuntu operating system and then used it properly. Also, if you have only one device, you can dual-boot Linux and your preferred operating system.

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Sakib Mahmud ✅

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