An operating system is formally defined as a program used for managing a computer's hardware and software applications. The operating system is activated as soon as you turn on the target device. It includes all the processes that assist us in accessing the system and its controls.

After the desktop has been successfully loaded on your device, the operating system allows you to interact with the software components, and the hardware components allow the operating system to process this information. The operating system also comes with a memory manager, such as Google Chrome. This helps us in entering and exiting programs.

The Operating System is designed to make computation easy, by enabling multitasking. For instance, when you maximise a video for watching a video or playing a game, all the background applications are kept running by the operating system.

Operating System also maintains and controls the antivirus, therefore, if any threat is detected all the processes are halted and the antivirus pop-up dialog is given the highest priority.

Finding difficulty in programming, here are the roadmap for non-engineer students.

The most intrinsic factor for deciding on the best operating system for programming depends on the career domain of the programmer. We have mentioned the most important factors according to the distinct career domains.

1. **Software Developer**

Software developers have to build the source code of a project from start to end. The process of Software Development includes the entire process of creating prototypes, designing user interfaces, programming, fixing bugs, testing, and maintaining applications.