An **operating system (OS)** is the main program that manages a computer’s software, hardware, memory, and processes, allowing users to interact with applications and devices. Here are some free online resources to learn more about operating systems:

1. [**edX Operating Systems Courses**](https://www.edx.org/learn/operating-systems): Explore various courses on operating systems, covering topics from fundamentals to advanced concepts[1](https://www.edx.org/learn/operating-systems).
2. [**Class Central**](https://www.classcentral.com/subject/operating-systems): Discover free and certified operating systems courses from top universities worldwide[2](https://www.classcentral.com/subject/operating-systems).
3. [**Alison Operating Systems Courses**](https://alison.com/tag/operating-systems): Dive into the major components of operating systems, including Windows, Unix/Linux, and Android[3](https://alison.com/tag/operating-systems).
4. [**Codecademy Fundamentals of Operating Systems**](https://www.codecademy.com/learn/fundamentals-of-operating-systems): Learn about processes, memory management, filesystems, and more in this interactive course[4](https://www.codecademy.com/learn/fundamentals-of-operating-systems).
5. [**GeeksforGeeks Operating System Tutorials**](https://www.geeksforgeeks.org/operating-systems/): Explore tutorials covering OS basics, types, functions, and more[5](https://www.geeksforgeeks.org/operating-systems/).

Feel free to explore these resources to enhance your understanding of operating systems! 🖥️📚