

Operating System Interview Questions

What is Operating System & Types of OS

- An Operating System is a software that acts as an interface between computer hardware and user applications.
- It manages the resources and provides services for the efficient and secure execution of programs.
- The primary functions of an operating system include process management, memory management, file system management, device management and user interface.

Types of OS:

1. Windows:

- a. Developed by Microsoft (Founder: Bill Gates, Current CEO: Satya Nadella)
- b. Widely used OS personal computers.

2. macOS:

- a. Developed by Apple (Founder: Steve Jobs, Current CEO: Tim Cook)
- b. It is used on Apple Mac Computers.

3. Linux:

- a. An open source OS that is highly customizable.
- b. Widely used in server environments and embedded systems.
- c. It is known for its stability, security and flexibility.
- d. Famous distribution: Ubuntu, Fedora, CentOS, Kali, etc.

4. Unix:

- a. A powerful multi user operating system that serves as the foundation for many other operating systems including Linux and macOS.
- b. It is known for its stability and secure environment.
- c. Widely used in server applications.

5. Android:

- a. Developed by Google (Founder: Larry Page and Sergey Brin, Current CEO: Sundar Pichai)
- b. It is an open source operating system maintained and governed by Google.
- c. Primarily designed for mobile devices such as smartphones and tablets, but now is used in Wear OS, Desktop, TV and Automotive

6. iOS:

- a. Developed by Apple (Founder: Steve Jobs, Current CEO: Tim Cook)
- b. It is used in iPads and iPods.

7. Real Time Operating System (RTOS):

- a. Widely used in embedded systems, control systems, and IoT devices.