

AL- MUSTAQBAL UNIVERSITY COLLEGE



Computer basics

operating system

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WHAT IS AN OPERATING SYSTEM?

An operating system is the most important **software** that runs on a computer. It manages the computer's **memory** and **processes**, as well as all of its **software and hardware**.

- It also allows you to communicate with the computer without knowing how to speak the computer's language.
- Without an operating system, a computer is useless.

OPERATING SYSTEM'S JOB

Your computer's operating system (OS) manages all of the **software** and **hardware** on the computer. Most of the time,

- there are several different computer programs running at the same time, and they all need to access your computer's central processing unit (CPU), memory, and storage.

The **operating system** coordinates all of this to make sure each program gets what it needs.

TYPES OF OPERATING SYSTEMS

Operating systems usually come **pre-loaded** on any computer you buy.

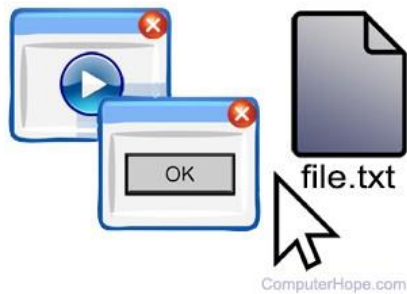
Most people use the operating system that comes with their computer, but it's possible to upgrade or even change operating systems.

The three most common operating systems for personal computers are :

Microsoft Windows, **macOS**, and **Linux**.

TYPES OF OPERATING SYSTEMS

Modern operating systems use a graphical user interface, or **GUI**. A GUI lets you use your mouse to click icons, buttons, and menus, and everything is clearly displayed on the screen using a combination of graphics and text.



TYPES OF OPERATING SYSTEMS

Each **operating system's GUI** has a different look and feel, so if you switch to a different operating system it may seem **unfamiliar** at first.

However, modern operating systems are designed to be **easy to use**, and most of the basic principles are the same.



MICROSOFT WINDOWS

Microsoft created the **Windows operating system** in the mid-1980s. There have been many different versions of Windows, but the most recent ones are **Windows 10** (released in 2015), **Windows 8** (2012), **Windows 7** (2009), and **Windows Vista** (2007).

Windows comes preloaded on most new PCs, which helps to make it the most popular operating system in the world.



MAC-OS

- macOS (previously called **OS X**) is a line of operating systems created by Apple.
- It comes **preloaded on all Macintosh computers**, or Macs



OPERATING SYSTEMS FOR MOBILE DEVICES

The operating systems we've been talking about so far were designed to run on desktop and laptop computers. Mobile devices such as phones, tablet computers, and MP3 players are different from desktop and laptop computers,

-so they run operating systems that are designed specifically for mobile devices

- Examples of mobile operating systems include Apple iOS and Google Android



Any question.....?