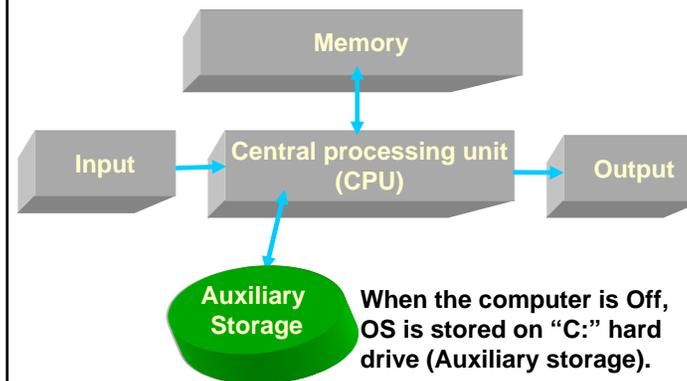


The Operating System

- ❖ **Operating System** purpose is to deliver the hardware and software resources of the computer to the *User*
 - ◆ Manages the CPU, memory, disk drives, printers, and other computer resources
 - ◆ Allows the user to select application programs and access data files
- ❖ **Secure Login Access**
 - ◆ Controls network communications
 - ◆ Controls file access

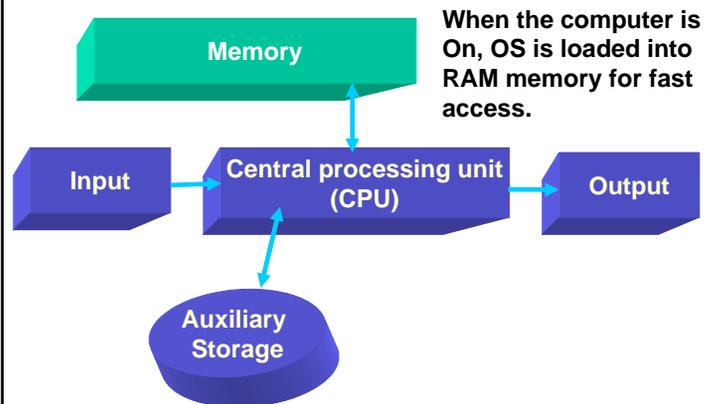
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Where Is the Operating System?



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Where Is the Operating System?



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Operating System User Interface

❖ Command Line

- ◆ DOS
- ◆ UNIX & LINUX
- ◆ CP/M

```
C:\>
C:\> cd data
C:\data> d:
D:\> c:
C:\data>
cd..
C:\>
```

❖ GUI (Graphical User Interface)

- ◆ User gives commands by interacting with icons and pull-down menus
- ◆ Generally requires pointing device
- ◆ Examples
 - ◆ Windows
 - ◆ MacOS
 - ◆ X-Windows/GNU

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Microsoft Windows

- ❖ The successor to MS-DOS, the original text-based operating system for PC
- ❖ Windows has four improved features:
 - ◆ GUI = Graphical User Interface
 - ◆ Common User Interface = Consistent look and conventions in all applications
 - ◆ Multitasking = Run multiple applications
 - ◆ Ability to share data between applications
- ❖ These capabilities found in all modern OS's:
 - ◆ Microsoft: Windows 95, 98, NT, 2000, XP, and Vista
 - ◆ Linux: Ubuntu, Kubuntu, Knopix, and Mepis
 - ◆ Apple: OS X

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Disk and File Management

- ❖ A file is a set of instructions or data
 - ◆ **Program File:** MS Word or MS Excel
 - ◆ **Data File:** Document or workbook
- ❖ Copy, move, rename or delete a file
- ❖ A **folder** allows us to organize our files
 - ◆ May contain files and/or other folders
- ❖ Drive Assignments
 - ◆ **Drive A** – the floppy disk
 - ◆ **Drive C** – the fixed (local) disk
 - ◆ **Drive D and higher** – CD, DVD, USB drives, other Hard Drives, Network drives...

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Hands-on Exercise 1: Welcome to Windows XP

- ❖ Steps 1, 2: Log on to Windows XP and customize the desktop
- ❖ Steps 3, 4, 5: Open My Computer folder, move/resize a Window, and **Capture Screen**
- ❖ Step 6: Skip
- ❖ Step 7: Access the Help and Support Center
- ❖ Step 8: Log Off Computer

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Hands-on Exercise 2 through 4

- ❖ Hands-on Exercise 2: All steps
 - ◆ Steps 1, 2, 3, 4: Copy all files from Instructors Computer to your USB drive
 - ◆ **Steps 5: Modify a document and submit**
 - ◆ Steps 6, 7, 8: Folder creations and file movements
- ❖ Hands-on Exercise 3: All steps
 - ◆ Windows Explorer for file management
- ❖ Hands-on Exercise 4: Steps 1 through 5
 - ◆ Shortcuts and Searching

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