UNIT - 1

SOFTWARE

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OBJECTIVES

- Description of software
- Types of software
- Operating System

SOFTWARE

- Software is the programs and applications that tell the computer what to do and how to look.
- Computer programmers write the codes/instructions that make-up software applications/programs.

- Two major types:
  - System
  - Applications

TWO TYPES OF SOFTWARE

- Application Software

- System Software

SYSTEM SOFTWARE

- Directs all the activities and sets all the rules for how the hardware and software will work together.

  Examples would be:

  DOS, Windows 95, 98, ME, NT, XP, Vista, Windows 7

  Unix, Linux,

  MAC system OS 6,7,8,9,10

COMMAND LINE OPERATING SYSTEMS

DOS is an example of a command line operating system.

On the next slide, Notice that there are no:

- ✖ Icons (pictures)
- ✖ Colors
- ✖ Mouse Pointer
- ✖ Buttons
- ✖ You have to memorize commands in order to use this text based operating system.

OPERATING SYSTEMS: GUI

- ✖ GUI stands for Graphical User Interface

  Uses pictures (icons) to represent files, folders,   disk drives, modems, printers, etc.

  GUI's were created to make using a computer   easier, more interesting, non-threatening   to inexperienced users.

  A mouse allows users to point at something and   click to make it work. With command line   you have to have all of the commands to   make your programs work.

  Here is an example of a GUI

APPLICATION SOFTWARE

- Programs that work with operating system software to help the computer to do specific types of work.

- There are six basic types of application software...

APPLICATION SOFTWARE

1. Business software: word processors, spreadsheets, and database programs.

2. Communication software: allows computers to communicate with other computers: fax software, Novell NetWare, AOL, Modem Software.

3. Graphics software: software that allows users to create and manipulate graphics…Photoshop, Print Shop, etc.

APPLICATION SOFTWARE

4. Education and Reference software: Programs that help teach new material and ideas, and programs that can be used to find information...Encarta, Worldbook Encyclopedia, Jumpstart Kindergarten, MicroType.

5. Entertainment and Leisure software...Warcraft, Age of Empires, Barbie Design Center, Mrs. Pacman, Solitair

6. Integrated software: Combines several types of software into one program or package...Quicken (Spreadsheet/data base/communications/reference) or Print Shop (Graphics/Word processor).