



كلية : التربية للعلوم الصرفة

القسم او الفرع :قسم الرياضيات

المرحلة: الأولى

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اسم المادة باللغة العربية : حاسبات 1

اسم المادة باللغة الإنكليزية : 1 computers

اسم المحاضرة الأولى باللغة العربية : البرمجيات

اسم المحاضرة الأولى باللغة الإنكليزية: Software

Software

- **Software is the programs and applications that tell the computer what to do and how to look.**

- **1- Operating System Software**



- **2-Application Software**



Operating 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, win7, win 8, win 10...

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.**

```
C:\WINDOWS>dir h:

Volume in drive H is USERS
Directory of H:\TLC FILES

.                <DIR>
..               <DIR>
HUMANRES SHW     317,952   09-14-01   8:12a Human resources Activity 2.shw
HUMANRE0 SHW     196,608   09-17-01   2:08p Human Resources Activity 5.shw
HUMANRE1 SHW     135,680   09-18-01   1:46p Human Resources Job Application.shw
CASHIER1 SHW     126,976   09-20-01   9:00a Cashiering Lesson 1.shw
THELORAX WPD       3,862   08-29-01   2:56p The Lorax.wpd
TLCDISCL SHW     167,424   09-19-01  10:57a TLC Disclosure.shw
KASH SHW         105,472   09-19-01   1:32p KASH.shw
ETHICS SHW        94,208   09-19-01   1:44p Ethics.shw
CASHIER0 SHW     200,192   09-20-01   3:26p Cashiering Lesson 2.shw
COMPUTER SHW     140,800   09-21-01  11:05a computer basics.shw
               10 file(s)      1,489,174 bytes
               2 dir(s)      12,395.44 MB free

C:\WINDOWS>_
```

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 many types of application software...

- 1. Business software: word processors, spreadsheets, and database programs.**
- 2. Communication software: allows computers to communicate with other computers: fax software, Modem Software.**
- 3. Graphics software: software that allows users to create and manipulate graphics...Photoshop, Print Shop, etc**

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