

DOS

DOS stands for Disk Operating System

It is a single user OS

It is character user interface (CUI)

It provides ~~the~~ hierarchical file system

It supports many application packages
C and C++ compilation

It is a command based OS i.e. user can only type the command.

All available commands are present in command.com file

There are two categories of DOS - command
— Internal and External command.

DOS require relatively low amount of primary memory for installation and running.

Internal command

It is built-in command interpreter called command.com which loads into the memory when computer systems starts. This command do not resides on a disk.

e.g. Date, Time, Version, Volume, Md, Cd, Rd, Copycon, type, copy, ren etc.

External

It resides on separate file on hard drive and have an extension .com, .exe, .bat

diskcopy.com

It copies the contents of one floppy disk to another

tree.com

Display the entire file structure in tree system

format.com

Format a disk for use with MS-DOS

find.exe

Search for a specified text in a file.

start.exe

Run a windows program or a MS-DOS program

DOS

- (i) It is a character User Interface
- (ii) It is comparatively less powerful
- (iii) All commands available in windows are not available for in DOS
- (iv) All the commands ~~are~~ have to be typed at the DOS PROMPT
- (v) It does not provide multi-tasking environment.
- (vi) It does not support graphics
- (vii) DOS is available in very reasonable price

Windows

- (i) It is a ^{multi-tasking} multiuser OS
- (ii) It is graphic User Interface (GUI)
- (iii) It is powerful & fast OS
- (iv) ~~All~~ Virtually all DOS commands are available in window ~~is~~
- (v) It provides in-built command in various application and accessories.
- (vi) It provides multi-tasking environment
- (vii) It ~~does not~~ supports graphics
- (viii) It is very costly

UNIX

DOS

- | | |
|--|--|
| (i) It is a powerful OS | (i) It is comparatively less powerful than UNIX |
| (ii) Multitasking and Multiprogramming is possible | (ii) Multitasking and Multiprogramming is not possible |
| (iii) It supports visual display and graphics | (iii) It does not supports graphics |
| (iv) It can support networking | (iv) It does not support networking |
| (v) It supports login concept and therefore provides file security | (v) It does not support login concept and therefore does not provide file security |
| (vi) It also provides safety from viruses | (vi) It does not provide safety from viruses |
| (vii) UNIX programming is user friendly | (vii) All the commands have to be typed which is a cumbersome job |