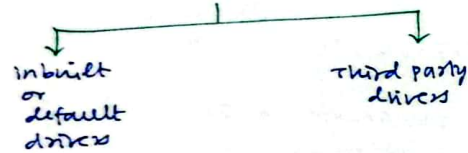


# OPERATING SYSTEM

## HARDWARE ACCESS

**DEVICE DRIVER:** program to access every hardware component

- Identify device
- Register device: **REGISTRY** database that contains all info about the computer



## MANAGE FILES AND FOLDERS

**FILE** - Block of related data in a single unit



**DIRECTORIES & SUB-DIRS.**

↓ nested directories  
in windows: called **FOLDERS** and **SUB-FOLDERS**

## USER INTERFACE

**GUI**

Graphical user interface

- Menus
- Icons

**CLI**

command line interface

## MANAGE APPS.

- locates applications and loads it onto the RAM.
- allocates available system resources to running apps -

## APIS

(Application Programming Interfaces)

- To ensure that an app is compatible with the OS
- set of guidelines -

## INSTALL OS

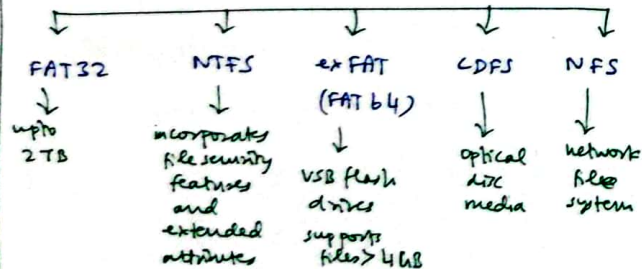
over a network server  
Preboot Execution Environment (PXE)

local hard drive  
- (IMAGE Based)  
- (system restore)

External Media  
- CD/DVD  
- USB

## FORMATTING & FILE SYSTEM

provides the directory structure



## HARD DRIVE PARTITIONING

standards

**Master Boot Record (MBR)**

↓  
Boot loader program  
BIOS/UEFI  
max 4 partitions

**GUID-PT/GPT**  
Globally unique identifier partition table  
↓  
max 128 partitions

**PRIMARY**

- contains the OS files
- 1st partition
- cannot be subdivided in MBR
- in GPT - all are primary partitions

**ACTIVE**

- only applies to MBR
- invariably C:/ becomes the default active partition

**EXTENDED**

- logical drive
- separate in F for admin purposes -