

Definition: It is a master control program (like Android, IOS, DOS, Linux, Windows, Mac OS etc.) that runs automatically when a computer is switched on, and remains in the background when system is running.

Computer System is a most complicated hardware system where there are several h/w devices working together. O/S helps these h/w devices to coordinate & work like a single unit.

Operating System hides (makes transparent) the complexity of h/w from user makes it easy to be used.

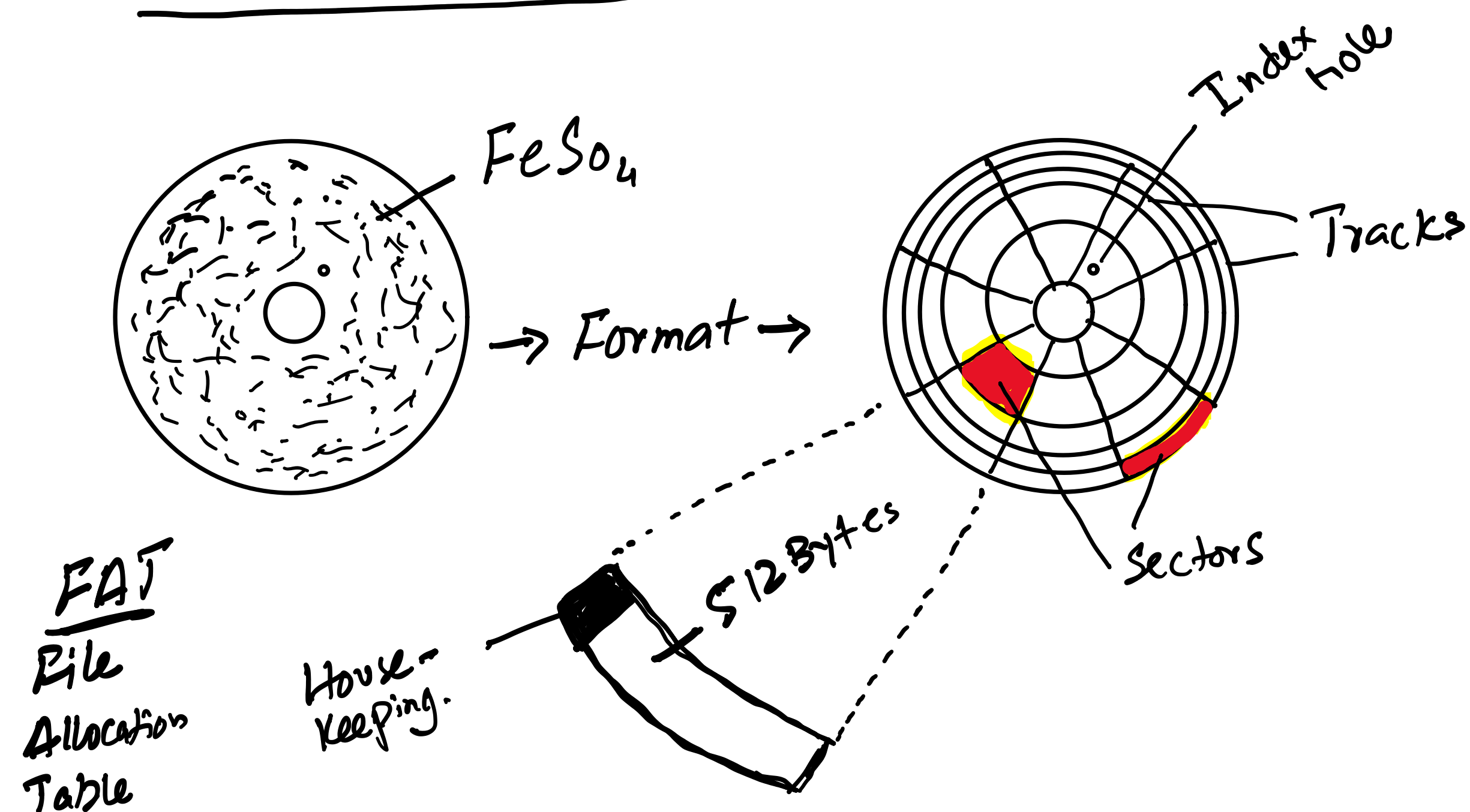
- ✓ Definition*
- ✓ Functions*
- Interface*
- Booting
- Buffer
- Interrupts*
- Spooling
- Polling

Functions of an O/S:

- Booting (Starting of computer/cell phone/tab)
- Memory management.
- Storage management.
- Security (passwords, user accounts, encryption etc.)
- Communications.
- Input & output devices management. Device Drivers.
- Interrupts management
- User Interface.
- etc.

Memory → RAM
Storage → HDD/*
 { USB
 { CD
 { SSD.

Storage Management:



→ Storage management is done by the O/S with the use of a file management system like FAT, NTFS. It is means by which a disk can be made useful and useable for the user.

* File System is a technique adapted by the O/S to manage files over the disk. For example File Allocation Table (FAT), New technology File System (NTFS).