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Def: *kernel*: part of the OS that responses to syscalls, interrupts, and exceptions

Def: *Operating System*: kernel + related programs/services for apps. Sits between the *application* and *hardware* layers. Includes:

- utilities (defrag, backup, screen saver)
- command interpreters (bash, zsh)
- programming libraries (POSIX threads)

Various abstractions:

- files/filesystems: storage
- address spaces: primary memory
- processes/threads: program execution
- sockets/pipes: network/message channels

In [ ]: