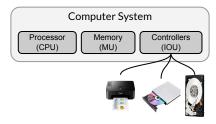
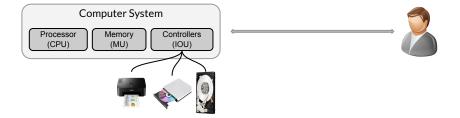
Hamidreza Hosseinkhani - 2020

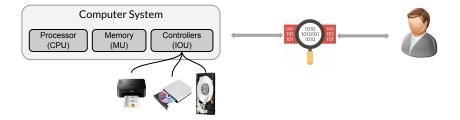
Computer System

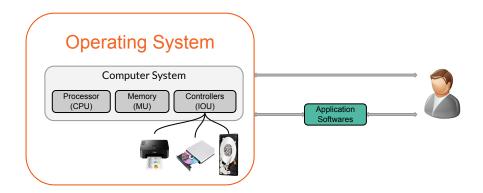


Computer System

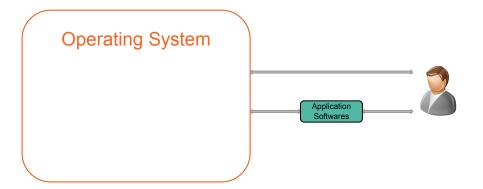


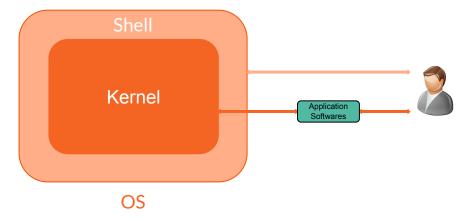
Computer System

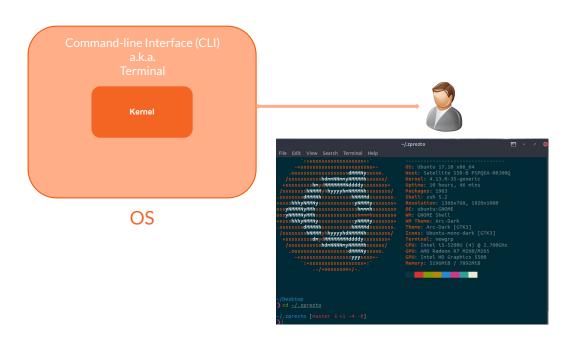


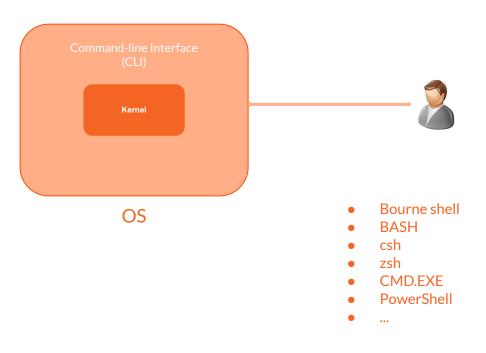


- Resource Management
- User Interface
- provide services for application softwares

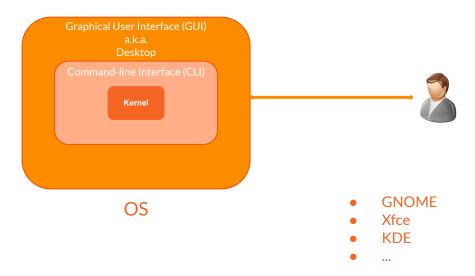










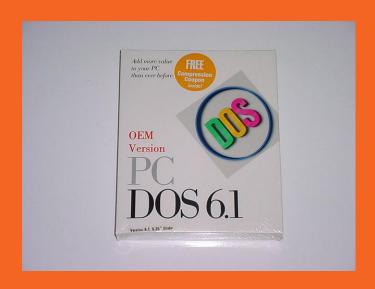




IBM Personal Computer (PC)



Apple Macintosh



IBM PC DOS



Apple (Classic) Mac OS







Apple (Classic) Mac OS









UNIX





Apple (Classic) Mac OS







UNIX

Apple Mac OS X





MINIX (Mini-Unix)



OSX

Apple Mac OS X





Linux

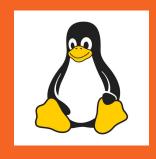


OSX

Apple Mac OS X







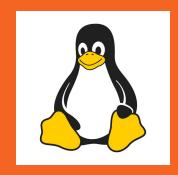
Linux



Apple Mac OS X



Microsoft Windows

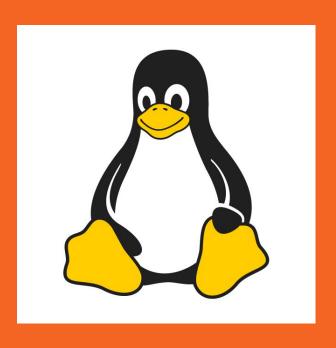


Linux



Apple macOS

Linux Distributions



















KALI LINUX®







Microsoft Windows Phone

Google Android

Apple iOS





Google Android



Apple iOS

Linux

Disk Partitioning



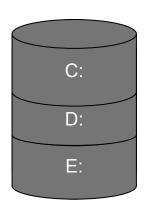
Disk Partitioning



Partition 2

Partition 3

Disk Partitioning





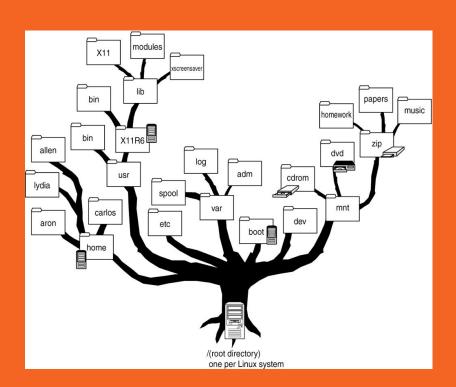




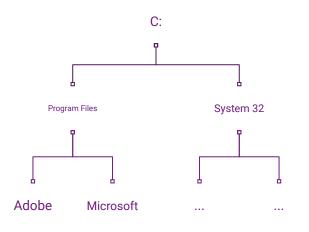
In UNIX and UNIX-like Operating Systems, Everything is a file.

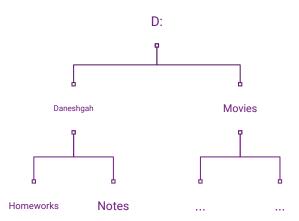
File System

controls how data is stored and retrieved

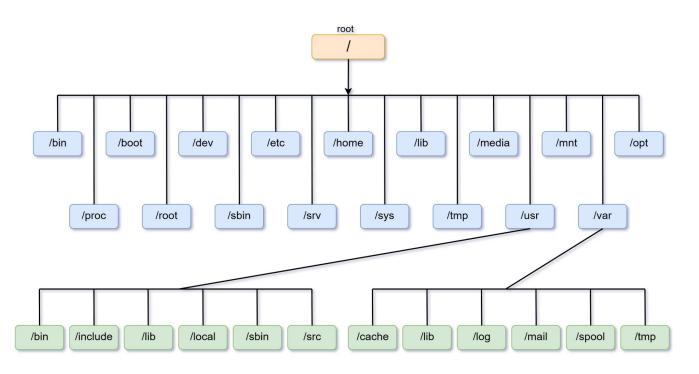


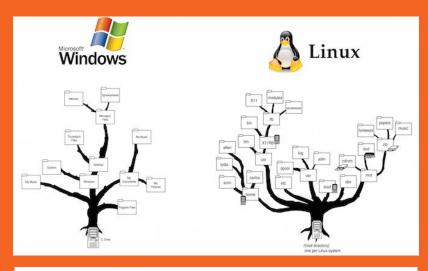
Filesystem hierarchy in Windows





Filesystem hierarchy in Linux









C:\Users\Andrey

/home/andrey

File attributes

- Name
- Type
- Path
- Time of last modification
- Permissions

Owner Group Others

Owner	Group	Others
rwx	rwx	rwx

Owner	Group	Others
rwx	rwx	rwx
111	110	100

Owner	Group	Others
rwx	rwx	rwx
111	110	100
7	6	4

Let's try it down!

Learn more!

https://www.udacity.com/course/linux-command-line-basics--ud595