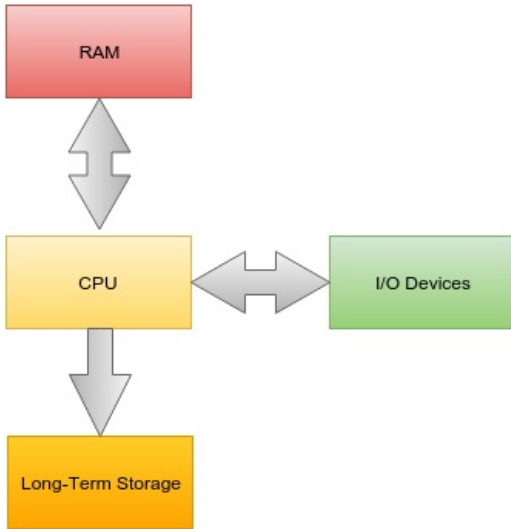


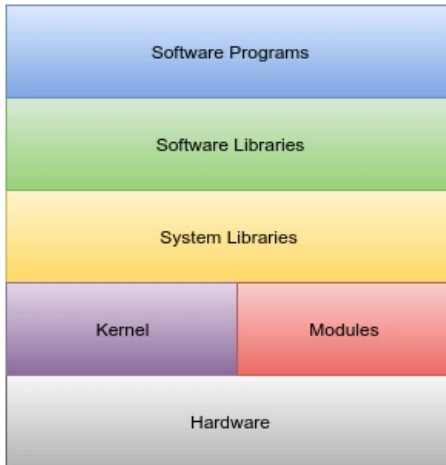
# What it is

---

## Computer System



## Layered model of systems



## Operating Systems

- How many can you list?
  - How are they related?
  - Who knows all the details?
- 

## Ubuntu Linux

- Configuration is done in text files (i.e. /etc)
    - Learning an editor is important (I don't care which one)
  - A lot of documentation:
    - man
    - info
    - online
- 

## Ubuntu Linux

- Where are programs located?
    - /bin, /usr/bin, /usr/sbin/, /sbin
  - Kernel is in /boot
  - Modules in `/lib/modules`
  - Libraries in `/lib`, and `/usr/lib`
  - LOG FILES!!!
- 

## Shell review

Command	-	-
ls	ssh	awk
cd	ln	grep
cp	pwd	mount
rm	ps	umount
mv	top	sed
mkdir	sudo	ssh
rmdir	man	scp
vi	adduser	wget
emacs	deluser	tar
chmod	apt	echo
find	locate	

---

## A few other items of review

- Tilde (~)
  - `..`, `...`
  - `*`, `?`
- 

## Path review

- Absolute (/var/www/html)
    - Remember always starts with the root (/)
  - Relative (./foo, vehicles/cars)
    - Never starts with a (/)
    - relative to where you currently are
- 

## What are we doing this semester?

