**Boot Process**

Step 1: power on

Step 2: BIOS

* + Perform system integrity check
  + Search, load, execute bootloader program for hard drive

Step 3: MBR (master boot record)

* + Three sections (primary bootloader, partition table info, MBR validation check)
  + Less than 512 bytes size
  + Located in bootable disk
  + Contain info about grab
  + Loads and executes grab boot loader

Step 4: GRUB

* + You can choose which kernel image execute
  + Display splash screen
  + Loads default kernel image

Step 5: Kernel

* + Executes init program located in /sbin/init
  + Loads file system and execute first program

Step 6: init

* + Decides the linux runlevels
  + Runlevels are 0,1,2,3,4,5,6

Step 7: run level

* + S and K Scripts
  + S -> Startup Scripts
  + K -> Stopping scripts