CS100: CPADS

Basic Input/Output System

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What is the BIOS?

- **BIOS - Basic Input/Output System**

- **Software built into the motherboard of your computer**

  - Performs the POST (Power-On Self Test) when system starts

  - Identifies and initializes system devices

    - e.g. CPU, memory, video card, disk drives, keyboard, mouse, etc.

  - Starts booting your operating system (if you have one)

- **Provides an interface for a user to configure system devices**

Why Enter the BIOS?

- **Set the system time**

- **Enable/disable onboard devices**
  - Motherboards have many built-in components that you may or may not want to use
    - e.g. onboard graphics, onboard LAN controller, etc.

- **Set the order of available boot devices**

- **Set a BIOS password**

- **Look at system info**
  - BIOS provides information on the CPU, memory and other components connected to the motherboard

- **Overclock your system**

Flashing BIOS

- **Update the BIOS**

  - Not recommended unless your BIOS is currently having problems

- **BIOS is software, software requires updates**

  - Bug fixes

  - Add support for new hardware such as new CPUs