

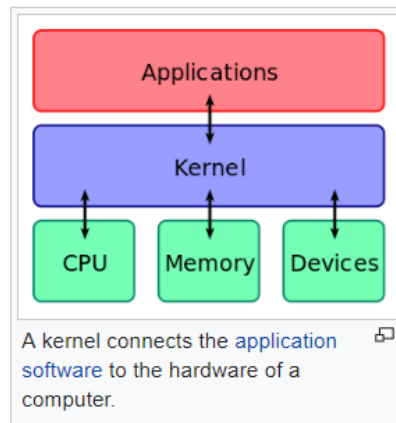
# Handout Review Introduction to Linux

1. Use the provided website link to answer the following questions:
  - a. What is the difference between the Kernel and an Operating System? [Kernel](#)

**Think of it this way:**

*A kernel is the part of the operating system that mediates access to system resources. It's responsible for enabling multiple applications to effectively share the hardware by controlling access to CPU, memory, disk I/O, and networking.*

*An operating system is the kernel plus system utilities that enable users to get something done (i.e compiler, text editor, window manager, etc).*



- b. What is the difference between a microkernel and monolithic kernel? [Micro kernel and Monolithic Kernel](#), [Micro kernel and Monolithic Kernel 2](#)
      - i. List 2 pros and cons of each
      - ii. What type of kernel does Linux use?
    - c. What is difference between preemptive and cooperative multitasking? [Cooperative and preemptive multitasking](#)
    - d. What is the difference between “free” and open source software? [Open Source vs Free Software](#)
      - i. TiVo Digital recorder uses executable (binary) derived from Open Source software that cannot be modified the end user? T/F
      - ii. What was the purpose of the Open Source Movement?
    - e. Provide two examples of productivity software? [Linux Productivity Software](#)
      - i. What is Evolution?
      - ii. What is GNOME?
      - iii. What is samba? [Samba](#)