

Assignment 1
Due date: Sep. 4th, 23:59

Read Chapter 1 and 2 and answer the following questions. Each question is worth 1 point.

1. Rank the following storage systems from slowest to fastest:
 - a. Hard-disk drives
 - b. Registers
 - c. Optical disk
 - d. Main memory
 - e. Nonvolatile memory
 - f. Magnetic tapes
 - g. Cache
2. Provide at least three resources the operating system allocates.
3. What is the difference between an interrupt and a trap? What is the use of each function?
4. What are the two separate modes of operation?
5. Which of the following actions should be privileged?
 - a. Read the clock
 - b. Read the kernel memory
 - c. Write the kernel memory
 - d. Turn off interrupts
 - e. Switch from user mode to kernel mode
6. What is a system call?
7. List at least three of the major categories of system calls.
8. List three possible ways to pass parameters to system calls
9. What part of the operating system makes the decision with regards to which process will run?
10. What are the two different approaches for providing a user interface?