

Operating System- Course in English

Assignment 1

2021/03/31

This is a *hand writing* assignment. Answer the following questions in an A4 sheet and turn it in on April 14, 2021. For those who cannot turn in the assignment on time, please turn in your assignment to instructor's mailbox with a penalty of 20 scores per day.

1. How does operating systems interact with hardware? (10%)
2. What is multiprogramming? What can it benefit? (10%)
3. Briefly describe multicore system. Give two advantages of multicore systems, in contrast to multiprocessor systems? (15%)
4. What are the two models of interprocess communication? What are the strengths and weaknesses of the two approaches? (20%)
5. What are the advantages of using loadable kernel modules? (10%)
6. Give five main steps to build an operating system from the beginning. (15%)
7. Give two aspects of debugging. (10%)
8. What is the difference between core dump and crash dump? (10%)