

Tutorial 1 – Questions for discussion in Week 2 Session.

Give some thought to the following questions which review your understanding of some of the basic operating systems concepts.

The Internet (eg, Wikipedia) can be a useful resource to get a quick overview of specific operating systems, such as those in Q2 below.

Q1. (Tanenbaum 1.7) Which of the following should be allowed only in kernel mode? Explain your answer in each case.

Disable all interrupts

Read the time-of-day clock

Set the time-of-day clock

Change the memory map

Q2. What structure do the following operating systems have? What are some of the reasons for why they have been designed that way?

Mach

Linux

L4

Q3. (Tanenbaum 1.25) The client-server model is popular in distributed systems. Why? Can it also be used in a single-computer system? Explain.

Q4. What does it mean to say that an operating system is POSIX-compliant? Is MINIX3 POSIX compliant?