1.6 How does the distinction between kernel mode and user mode function as a rudimentary form of protection (security) system?

1.25 Consider an SMP system similar to what is shown in Figure 1.6. Illustrate with an example how data residing in memory could in fact have two different values in each of the local caches.

2.4 The services and functions provided by an operating system can be divided into two main categories. Briefly describe the two categories and discuss how they differ.

2.5 Why is the separation of mechanism and policy desirable?

2.9 It is sometimes difficult to achieve a layered approach if two components of the operating system are dependent on each other. Identify a scenario in which it is unclear how to layer two system components that require tight coupling of their functionalities.

2.14 What system calls have to be executed by a command interpreter or shell in order to start a new process?