Windows 10

Practice Exercises

21.1 What type of operating system is Windows? Describe two of its major features.

21.2 List the design goals of Windows. Describe two in detail.

21.3 Describe the booting process for a Windows system.

21.4 Describe the three main architectural layers of the Windows kernel.

21.5 What is the job of the object manager?

21.6 What types of services does the process manager provide?

21.7 What is a local procedure call?

21.8 What are the responsibilities of the I/O manager?

21.9 What types of networking does Windows support? How does Windows implement transport protocols? Describe two networking protocols.

21.10 How is the NTFS namespace organized?

21.11 How does NTFS handle data structures? How does NTFS recover from a system crash? What is guaranteed after a recovery takes place?

21.12 How does Windows allocate user memory?

21.13 Describe some of the ways in which an application can use memory via the Win32 API.