

Sample solution

Quiz 5

(1) Answer:

- Two processes (threads):

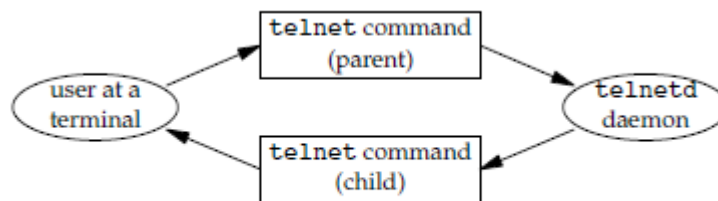


Figure 14.14 The `telnet` program using two processes

- Select: (unblocking)

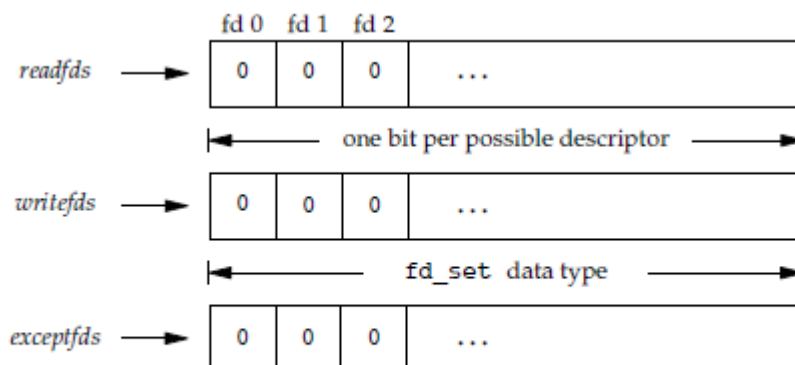


Figure 14.15 Specifying the read, write, and exception descriptors for `select`

- Polling: (unblocking)



(2) Answer:

Memory-mapped I/O lets us map a file on disk into a buffer in memory so that, when we fetch bytes from the buffer, the corresponding bytes of the file are read.

Somewhere between heap and stack

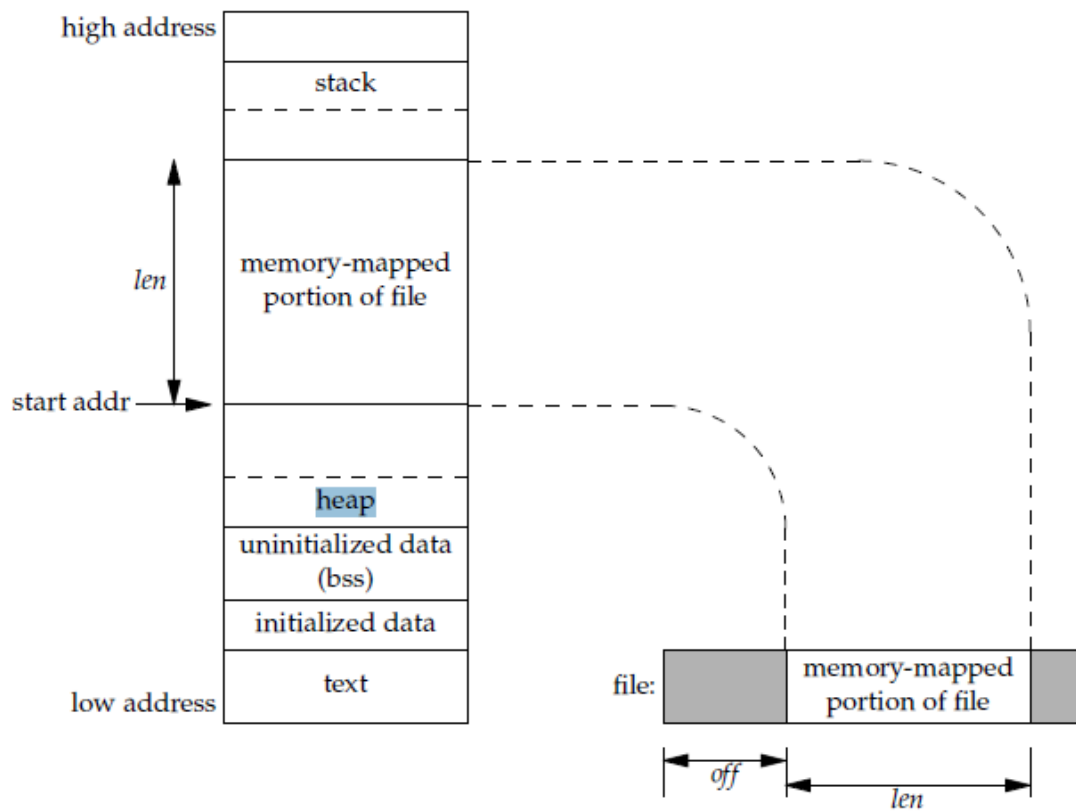


Figure 14.26 Example of a memory-mapped file