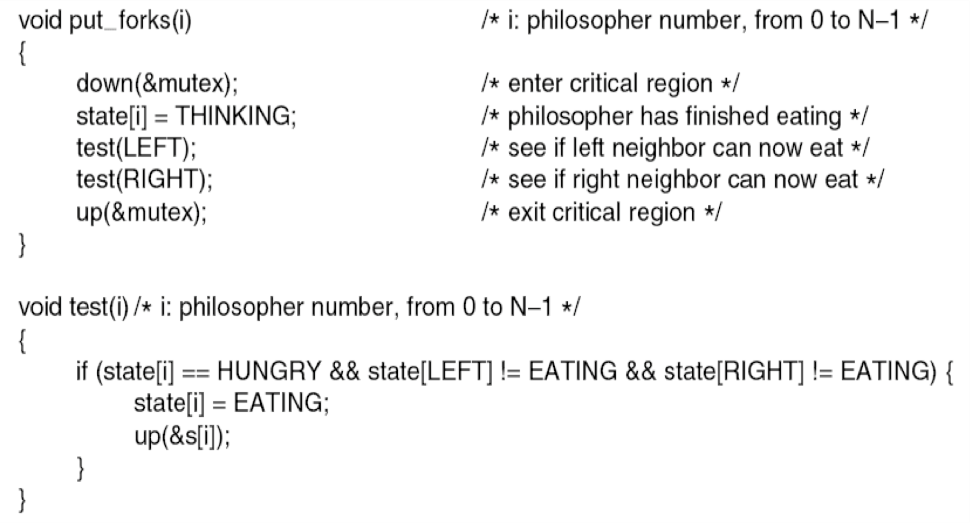
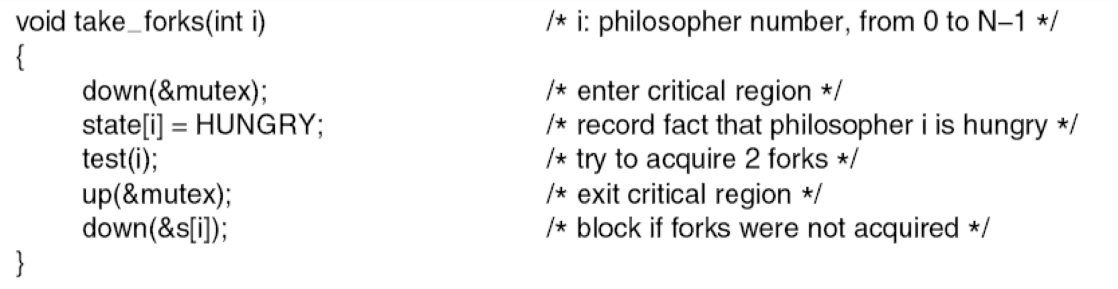
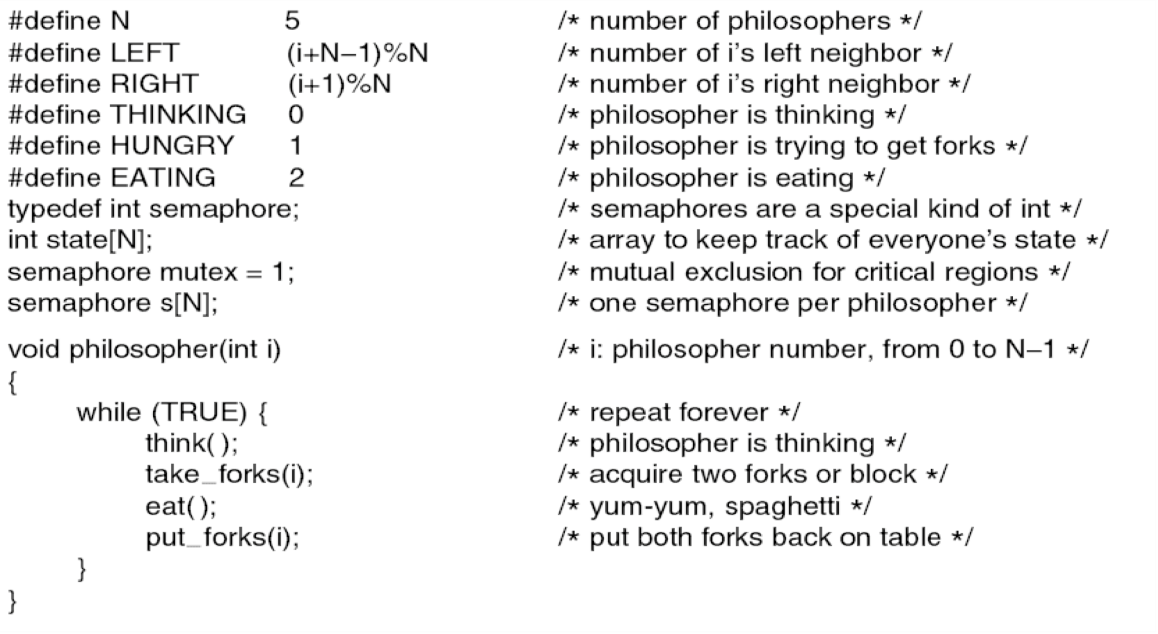
**Assignment 3**

**Exercise 26 - Chapter 2**

In Section 2.3.4, a situation with a high-priority process, H, and a low-priority process, L, was described, which led to H looping forever. Does the same problem occur if round-robin scheduling is used instead of priority scheduling? Discuss.

**Exercise 55 - Chapter 2**

Consider the procedure *put\_forks* in Fig. 2-47. Suppose that the variable *state[i]* was set to *THINKING* \*after\* the two calls to *test*, rather than before. How would this change affect the solution?



**Figure 2-47.** A solution to the dining philosopher’s problem.