
Due in class on Wednesday 11 April 2001

1. (Exercise 6.13 from *Distributed Operating Systems*) The first general algorithm... (*Note that I described the Lamport algorithm in class.*)
2. (Exercise 6.35 from *Distributed Operating Systems*) Why are election algorithms...
3. (Exercise 6.26 from *Distributed Operating Systems*) Discuss why advance...
4. Use the technique described in Lecture 27 for serializability testing to show that the schedule on the left side of Figure 9.10 from *Distributed Operating Systems* is not serializable.
5. (Exercise 9.30 from *Distributed Operating Systems*) What advantages do nested transactions... (*Just give brief answers to parts a through f, without giving the "reasons".*)

My homework assignments are intended to test your knowledge of some of the material presented in my lectures and in the textbook. On these homeworks, I expect clear, well-focused answers to the questions asked, answers that balance brevity and detail. While brevity is desirable, one-sentence "answers", or lists of examples without further explanation, will probably not suffice. While detail and examples are desirable, two-page answers to each question are probably unnecessary. Furthermore, extensive unattributed "quoting" of sentences from the textbook, from other books, from websites, or from any other source, is totally unacceptable — I expect you to answer the question in **your own words** to convince me that you understand the material.