Exercises for Chapter 2

1. Giving reasons for your answer based on the type of system being developed, suggest the most appropriate generic software process model that might be used as a basis for managing the development of the following system:
   - A system to control anti-lock braking in a car
   - A virtual reality system to support software maintenance
   - A university accounting system that replaces an existing system
   - An interactive planning system that helps users plan journeys with the lowest environmental impact

2. Explain why incremental development is the most effective approach for developing business software systems. Why is this model less appropriate for real-time systems engineering?

3. Consider the reuse-based process model shown in Fig. 2.3. Explain why it is essential to have to separate requirements engineering activities in the process.