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## Quick check questions

You can find the answers to these in the chapter.

- Developing systems using a structured approach can result in problematic software. List three problems associated with the structured approach.
- b List four qualities that are desirable in a software construct.
- c What is meant by the term seamless development?
- d What is the difference between a class and an object?
- e What is the difference in the UML diagrammatic notation for a class and an object?
- f What do we mean when we refer to the behaviour of an object?
- How does the state of an object affect its behaviour?
- h What is meant by the term encapsulation?
- How do objects communicate?
- What do we mean when we talk about the public interface of an object?
- k What is instantiation?
- List three types of relationships between classes. Briefly describe each.
- m Why might you decide to model one class as a subclass of another?
- n What is an abstract class? Why do we use them?
- o What is the difference between an operation and a method? What is the significance of this for polymorphism?
- p What is dynamic binding?
- q What is the difference between aggregation and composition?