1. Terms to explain Architectural pattern. What is the relationship between the patterns and tactics?  
   An architectural pattern

* Is a package of design decisions that is founded repeatedly in practice,
* Has known properties that permit reuse, and
* Describes a class of architectures.

Tactics are atoms and patterns are molecules. Most patterns consist of (are constructed from) several different tactics.

1. What is the weakness of the broker pattern.  
   Brokers add a layer of indirection, and hence latency, between clients and servers, and that layer may be a communication bottleneck.

The broker can be a single point of failure.

* A broker adds up-front complexity.
* A broker may be a target for security attacks.
* A broker may be diffcult to test.

1. What domain does the layered pattern apply to?  
   web应用程序开发、一般的桌面应用程序。例如B/S、C/S架构、j2EE，三层架构——表现层、逻辑层、数据层等等。