1 Suppose that there is a write bottleneck with the master database of a master-slave architectural solution. Which, of the following, is the best solution?

A All the proposed solutions are identical.

B Do horizontal scaling of the master.

✓ Do vertical scaling of the master.

D Replicate the master.

2 Which kind of architectural structures are useful to answer the following question: How does data progress through the system?

A All the other options are false.

B Module structures.

✓ Component-and-connector structures.

D Allocation structures.

3 Which kind of software element is the RPC (Remote Procedure Call) protocol?

A Module.

✓ Connector.

C Component.

D All the other options are false.

4   How can module software elements be related to component software elements?   ❯

✓ All options are true.

B A component executes several modules.

C Several components execute a module.

D A component executes a module.

5   Which architectural qualities are provided through the replication of several servers which are decoupled from the clients by a load balancer?

A Performance and availability.

✓ Performance, availability, and security.

C Security and consistency.

D Availability and security.