**Comprehension Check**

In this section, you will be applying what you learned. Choose the best answer.

Atomic tests are focused on testing one specific part of the software

● True

● False

Atomic tests are quick and focused

● True

● False

Atomic tests ensure that each component works right before putting them all together

● True

● False

Atomic tests are complex to set up and maintain

● True

● False

Atomic tests promote modular design and ensure components work independently

● True

● False

Which of the following is a benefit of independent tests?

● They increase the complexity of the testing process.

● They make debugging and troubleshooting easier.

● They rely on other tests and external dependencies.

● They reduce test coverage.

7. Which of the following statements is true about autonomous tests?

● Autonomous tests require external dependencies to function properly.

● Autonomous tests are only used for unit testing.

● Autonomous tests make debugging and troubleshooting more challenging.

● Autonomous tests can be run simultaneously without conflicts.

8. Why is it important to separate setup and teardown steps from the test itself?

● It reduces the execution time of the test.

● It ensures that teardown will be executed regardless of test results

● It ensures that the test passes without any issues.

● It eliminates the need for setup and teardown in testing.

9. What is the purpose of the teardown step in testing?

● To initialize objects and test data before the test.

● To clean up resources and restore the environment after the test.

● To execute assertions and verify the expected outcomes.

● To define the specific behavior or functionality being tested.