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1. What is unit testing?

A. Testing individual units or components of a software application.

B. Testing the entire software application.

C. Testing the hardware components of a computer.

D. None of the above.

Answer: A

1. Which module in Python is used for unit testing?

A. unittest

B. pytest

C. nose

D. All of the above.

Answer: D

1. What is the purpose of the unit test TestCase class?

A. It is used to define test cases.

B. It is used to run test cases.

C. It is used to set up test fixtures.

D. None of the above.

Answer: A

1. What is the purpose of setUp method in unittest.TestCase class?

A. It is used to define test cases.

B. It is used to run test cases.

C. It is used to set up test fixtures.

D. None of the above.

Answer: C

1. What is the purpose of the tearDown method in unit test TestCase class?

A. It is used to define test cases.

B. It is used to run test cases.

C. It is used to tear down test fixtures.

D. None of the above.

Answer: C

1. How do you run a unittest in Python?

A. Use the unittest.main() method.

B. Use the run() method of the unittest.TestSuite class.

C. Use the run() method of the unittest.TestCase class.

D. None of the above.

Answer: A

1. How do you assert that two values are equal in a unittest?

A. Use the assertEqual() method.

B. Use the assertNotEqual() method.

C. Use the assertTrue() method.

D. None of the above.

Answer: A

1. What is the purpose of assertRaises method in unittest.TestCase class?

A. It is used to check if a method raises an exception.

B. It is used to check if a method returns a certain value.

C. It is used to check if a method is callable.

D. None of the above.

Answer: A

1. What is the purpose of setUpClass method in unittest.TestCase class?

A. It is used to set up test fixtures for all test cases in a class.

B. It is used to set up test fixtures for a single test case.

C. It is used to tear down test fixtures for all test cases in a class.

D. None of the above.

Answer: A

1. What is the purpose of tearDownClass method in unittest.TestCase class?

A. It is used to set up test fixtures for all test cases in a class.

B. It is used to set up test fixtures for a single test case.

C. It is used to tear down test fixtures for all test cases in a class.

D. None of the above.

Answer: C