

DASS Tutorial: Unit Testing

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Some of you asked for it so
we released it :p

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What's the difference between
DASS and DSA TA's :p

They wrote test cases themselves
but we are lazy.

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So what is unit testing? Any ideas?

- Unit: The smallest testable pieces of code
- Unit Testing: Testing Those Pieces
- Development and Production Environment

Materials

Found around the Web!

- Codebase to Test
 - A library supporting testing in the desired language
 - JUnit - JAVA
 - PYTHON
 - PyUnit (unittest)
 - PyTest
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Pre Requisites

OOPS Concepts - Inheritance, Classes

Terms like

1. Overriding(Runtime Polymorphism) and
2. Overloading(Compile Time Polymorphism)

unittest.TestCase

1. runTest method
2. Assert functions (Do not use normal asserts, find out why)
 - a. assertEquals
 - b. assertRaises
 - c. assertGreaterEqual
 - d. .
 - e. .
3. Test keyword
4. Check test suites (Aggregating the tests you want to run together)
5. Explore PyTest