

TestNG

TESTNG

Assertion in TestNG

TestNG: Test Execution Engine

- **Assertion** : Assertion is performed to compare the Actual result with expected result.
- Assert helps us to verify the conditions of the test and decide whether the test has failed or passed.
- Types of Assertion
 - Hard Assertion
 - Soft Assertion

TestNG: Test Execution Engine

- Assertions provided by the TestNG.
- `assertEqual(String actual, String expected)`
- `assertEqual(String actual, String expected, String message)`
- `assertEquals(boolean actual, boolean expected)`
- `assertTrue(condition)`
- `assertTrue(condition, message)`
- `assertFalse(condition)`
- `assertFalse(condition, message)`

TestNG: Test Execution Engine

- Soft Assertion : In Soft assertion `assertAll()` should be the last statement of Test Case.
- All Assertion will work with Soft Assertion too.
- We should instantiate a `SoftAssert` object within a `@Test` method. Scope of `SoftAssert` should only be within the Test method only.
- We should never use the same Soft Assertions with multiple test cases.

Will see you in Next Lecture...

Thank you!

A close-up photograph of a hand holding a black marker, completing the word 'Thank you!' in a cursive script on a white surface. The hand is positioned on the right side of the frame, with the index and thumb fingers visible, holding the marker. The marker is black with a silver band. The text 'Thank you!' is written in a fluid, cursive style, with the exclamation mark being the final stroke. The background is a plain, light-colored surface.

See you in next lecture ...