Remix tests

This tutorial covers basics of unit testing solidity smart contracts using remix-tests

Introduction

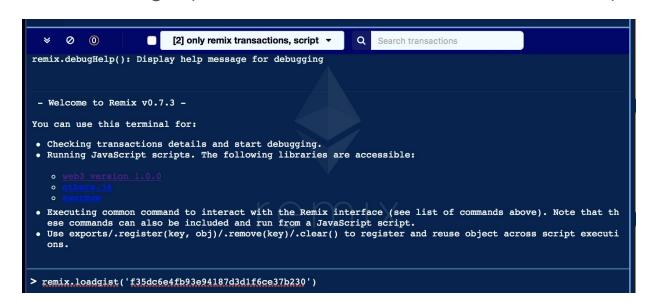
<u>remix-tests</u> by Iuri Matias is available as npm package & integrated in Remix IDE & Etheratom IDE.

Why remix-tests?

remix-tests lets developers' write unit testing in Solidity. It can be installed as a command line tool with 'npm -g install remix-tests'. It is also available in Remix IDE & Etheratom as a plugin.

Lets start to write Unit Tests for AwardToken

Load the AwardToken_tests by running the command remix.loadgist('f35dc6e4fb93e94187d3d1f6ce37b230')



Writing unit tests

- Test file names should be suffixed by _test.sol
- Use `import "remix_tests.sol";` statement to import tests module.
- Use Assert library to check Assert.equal(), Assert.notEqual(), Assert.greaterThan(), Assert.lesserThan()
- Use beforeEach(), beforeAll() functions to run tasks before running tests.

Running tests

Unit tests can be run from Tests tab by clicking Run tests button.

Test results

remix-tests results shows passing and failing tests.

