Automation Testing of Calculator Application using JUnit

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LP 2 Projects
STQA

Project

Automation testing using JUnit for calculator application showing the test output if successful or unsuccessful.

Software Required

Eclipse Ide

JUnit

➢ Unit testing is testing of small logic or code to verify whether the output of that code is as expected on the input of a specific data and/or on satisfying certain conditions.

➢ JUnit is a unit testing framework for Java programming language.

➢ Open source framework used to write and run repeatable automated tests.

➢ Some of the important classes are -

➢ Assert - Contains a set of assert methods.

➢ TestCase- Contains a test case that defines the fixture to run multiple tests.

➢ TestResult- Contains Methods to collect the results of executing a test case.

Why Junit ?

- JUnit is an open source framework, which is used for writing and running tests.
- Provides annotations to identify test methods.
- Provides assertions for testing expected results.
- Provides test runners for running tests.
- JUnit tests allow you to write codes faster, which increases quality.
- JUnit is elegantly simple. It is less complex and takes less time.

Let's move ahead towards Demo