

①. Order of Execution →

Eg-1:

in Before Suite
in Before Test
in Before Class
in Before Method
in Test Case 1
in After Method
in Before Method
in Test Case 2
in After Method
in After Class
in After Test

PASSED: Order of Execution. Order of Execution. TestCase 1

PASSED: Order of Execution. Order of Execution. TestCase 2

Default TestTest run: 2, Failures: 0, Skips: 0in After SuiteDefault suiteTotal test run: 2, Passes: 2, Failures: 0, Skips: 0

② Ignore TESTING Test →

Ex-1:

Starting the car

First gear

Second gear

Third gear

Fourth gear

PASSED: IgnoreTest, IgnoreTest, swift Second Gear

PASSED: IgnoreTest, IgnoreTest, start The Car

PASSED: IgnoreTest, IgnoreTest, swift Third Gear

PASSED: IgnoreTest, IgnoreTest, swift Fourth Gear

PASSED: IgnoreTest, IgnoreTest, swift First Gear

Default Test

Tests run: 5, Failures: 0, Skips: 0

Default suite

Total tests run: 5, Passes: 5, Failures: 0, Skips: 0

③ Skip TESTING Test →

Ex-1:

No need to skip this test

PASSED: SkipTest, SkipTest, nonSkipTest

SKIPPED: SkipTest, SkipTest, skipTest

Default Test

Tests run: 2, Failures: 0, Skip: 1

Default suite

Total tests run: 2, Passes: 1, Failures: 0, Skips: 1

4. Set Test Case Priority →

Ex-1:

Starting the car

First gear

Second gear

Third gear

Fourth gear

PASSED: Test Case Priority, Test Case Priority, swift First Gear

PASSED: Test Case Priority, Test Case Priority, swift Third Gear

PASSED: Test Case Priority, Test Case Priority, start The Car

PASSED: Test Case Priority, Test Case Priority, swift Fourth Gear

PASSED: Test Case Priority, Test Case Priority, swift Second Gear

Default test

Tests run: 5, Failures: 0, Skips: 0

Default suite

Total tests run: 5, Passes: 5, Failures: 0, Skips: 0

Ex-2:

Test with Negative priority

Test with default priority 0

Test with Same priority 20 A

Test with Same priority 20 B

Test with priority 50.

PASSED: Test Case Priority, Priority Example, sample 5

PASSED: Test Case Priority, Priority Example, sample 3

PASSED: Test Case Priority, Priority Example, sample

PASSED: Test Case Priority, Priority Example, sample 4

PASSED: Test Case Priority, Priority Example, sample 1

Default test

Tests run: 5, Failures: 0, Skips: 0

Default suite

Total tests run: 5, Passes: 5, Failures: 0, Skips: 0

⑤ Invocation Method →

Ex-1:

Test with invocation method

Test with invocation method

Test with invocation method

Test with invocation method

Test with invocation method

Test with normal method

PASSED: InvocationMethod, InvocationMethod, sample

PASSED: InvocationMethod, InvocationMethod, sample 1

PASSED: InvocationMethod, InvocationMethod, sample.

Default test

Test run: 2, Failures: 0, Skips: 0

Default suite

Total tests run: 11, Passes: 11, Failures: 0, Skips: 0.

⑥. Dependencies Management →

Ex-1:

High School

Higher Secondary

College

PASSED : DependencyManagement, DependencyManagement, High School

PASSED : DependencyManagement, DependencyManagement, college

PASSED : DependencyManagement, DependencyManagement, higher secondary

Default test

Test run: 3, Failures: 0, Skips: 0

Default suite

Total test run: 3, Passes: 3, Failure: 0, Skips: 0

⑦. TESTING Groups →

Ex-1:

Faculty Login

Parent Login

Student Login

Suite Three

Total test run: 3, Passes: 3, Failures: 0, Skips: 0

Ex-2:

Testing Apple Phone one

Testing Apple Phone two

Testing Lenovo Phone one

Testing Lenovo Phone two

Testing Moto Phone one

Testing Moto Phone two

Suite Group

Total test run: 6, Passes: 6, Failures: 0, Skip: 0

⑧. TESTING Asserts →

Ex-1 & 2: XML output:

Name is Equal

Suite Two

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0.

⑨. Parameterization in TESTING →

Ex-1:

Name: Vellore Institute of Technology

Suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0

Ex-2:

UserName: VIT

Password: VIT123

Suite

Total tests run: 1, Passes: 1, Failures: 0, Skips: 0

⑩. TESTING Parameterization using Data Providers →

Ex-1:

Login Credentials

User: UserOne

Password: Password

Login Credentials

User: UserTwo

Password: VIT123#

Login Credentials

User: UserTHREE

Password: VIT123#\$

PASSED: 2PP, 2PEN1, Login ("UserTWO", "VIT12#")

PASSED: 2PP, 2PEN1, Login ("UserONE", "Password")

PASSED: 2PP, 2PEN1, Login ("UserTHREE", "VIT123#\$")

Default Test

Test run: 1, Failure: 0, Ships: 0

Default Suite

Total test run: 3, Passes: 3, Failures: 0, Ships: 0

Ex-2:

Login Credentials

User: UserONE

Password: VIT1@

Login Credentials

User: UserTWO

Password: VIT12#

Login Credentials

User: UserTHREE

Password: VIT123#\$

PASSED: 2PP, 2PEN2, Login ("UserTWO", "VIT12#")

PASSED: 2PP, 2PEN2, Login ("UserONE", "VIT1@")

PASSED: 2PP, 2PEN2, Login ("UserTHREE", "VIT123#\$")

Default Test

Test run: 1, Failures: 0, Skips: 0

Default suite

Total tests run: 3, Passes: 3, Failures: 0, Skips: 0

Ex-3:

Login

User: UserONE

Password: VIT1@

Login

User: UserTWO

Password: VIT12#

Login

User: UserTHREE

Password: VIT123#\$

PASSED: DPP. DPEx3. Login ("UserTWO", "VIT12#")

PASSED: DPP. DPEx3. Login ("UserONE", "VIT1@")

PASSED: DPP. DPEx3. Login ("UserTHREE", "VIT123#\$")

Default Test

Test run: 3, Failures: 0, Skips: 0

Default suite

Total tests run: 3, Passes: 3, Failures: 0, Skips: 0

11. TESTING Listeners →

Pr:

onStart : Test Case Execution is going to Start

onTestStart : TestCase Execution is going to Start
Hello World, This is TESTING.

Test Case Execution is going to Success.

onTestStart : Test Case Execution is going to Start
Going to Success !!

Test Case Execution is going to Failure

Test Case Execution is going to Finish.

Suite One

Total tests run: 2, Passes: 1, Failures: 1, Skips: 0

12. Parallel Test Execution in TESTING →

Parallel - XML:

Parent Login

Student Details

Faculty Details

Faculty Login

Student Login

Suite Four

Total tests run: 5, Pass: 5, Failures: 0, Skips: 0

Parallel - XML2 :

Faculty Details

Student Details

Parent Login

Faculty Login

Student Login

Suite One

Total test run: 5, Passes: 5, Failures: 0, Skips: 0

Parallel - XML3 :

Observation: All the 3 sites: google.com, vit.ac.in, and orangehamline.com opened one after the another in a new browser window.

Console O/P :

All Methods Executed!!

Suite One

Total test run: 2, Passes: 2, Failures: 0, Skips: 0
