TESTNG:

1) Testng is a unit testing framework designed for testing needs.

2) It covers all catagories of test like unit, functional, end-to-end, integration, regression etc.

3) TestNG is inspired from JUNIT & NUNTI by adding some new functionalities which makes TestNG more powerful & than other unit testing framework.

4) Features of TestNG :-

i) It supports multiple annotations with simple naming convention that makes testers or developers life easier.

ii) It supports for data driven testing by using data provider annotation.

iii) Parameterisation is easy in TestNG.

iv) It allows users to set the priority, adding dependency on a method.

v) It provides supports for parallel execution.

vi) It generates an HTML report of execution.

Difference Bet? TestNG & JUNIT
(Advantages of TestNG over JUNIT)

1) Advance & easy annotations.

2) Execution flow can be set.

3) Parallel execution is possible.

4) Concurrent execution of test script is possible.

5) Test case dependencies can be set.

Steps to configure TestNG in eclipse:-

Open Eclipse
 ⤷ Help
  ⤷ Eclipse Market Place
   ⤷ Search for TestNG
    ⤷ click on `install' btn
     ⤷ Select the checkbox &
     Click on confirm btn
Click finish ⟵ accept the ⟵┘
button   aggrement
     radio btn & click on next btn
 ⤷ click on `ok' btN of warning popup
  ⤷ restart eclipse after installation

Annotations in TestNG :-

@ Test   - Test annotation

@ Before Suite   - run before all the test in this suit have run

@ After Suite   -   after —— " ——

@ Before Test   -

@ After Test

@ Before Grops

@ After Groups

@ Before Class

@ After Class

@ Before Method

@ After Method

@ Test (enabled = false)

@ Test (expected Exceptions = arithmatic Exception.class)

@ Test (timeout = 1000)

Programs :-

TestNG Basic — Multiple Test Method

— " —— - with Before & After Test

— " —— - with Before & after Method

— " —— - with priority

— " —— - to ignore test method

— " —— - Set time for a method & exception

— " —— - Dependsupon an exception

— " —— - Data provider example