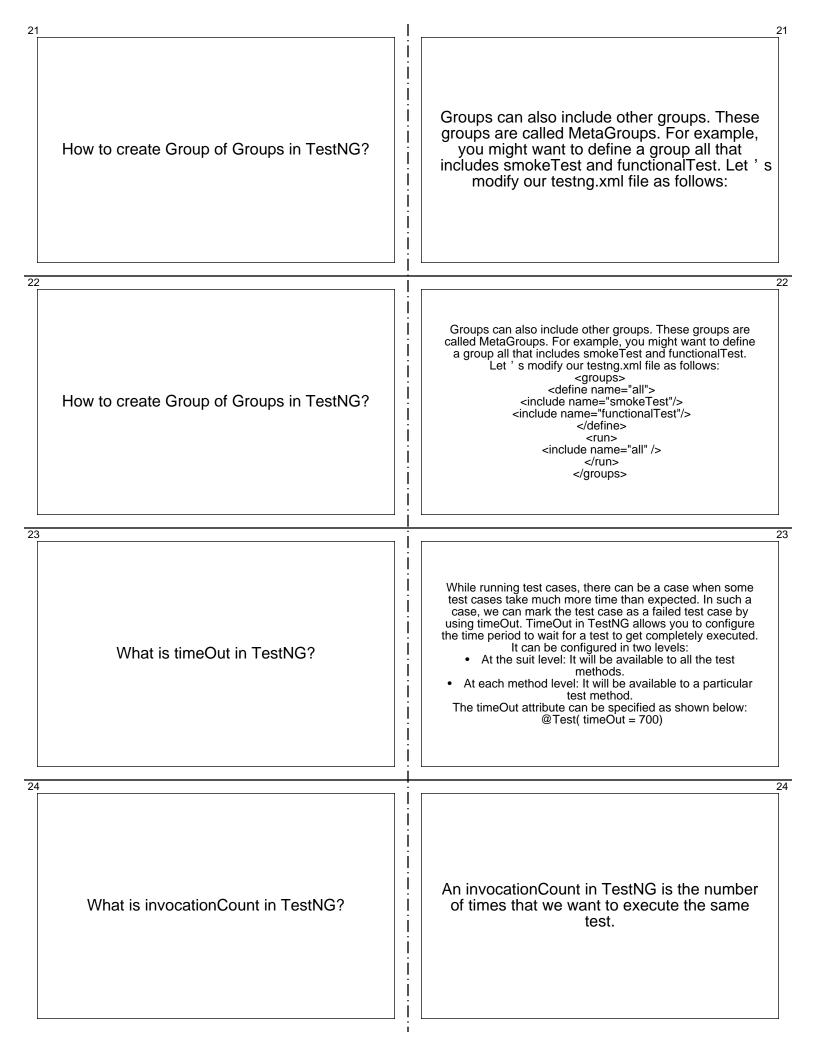
| What is TestNG? | TestNG is a testing framework designed to simplify a broad range of testing needs, from unit testing to integration testing |
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| What are the advantages of TestNG? | TestNG provides parallel execution of test methods It allows to define dependency of one test method over other method It allows to assign priority to test methods It allows grouping of test methods into test groups It has support for parameterizing test cases using @Parameters annotation It allows data driven testing using @DataProvider annotation It has different assertions that helps in checking the expected and actual results Detailed (HTML) reports |
| What is the importance of testng.xml file? | testng.xml file allows to include or exclude the execution of test methods and test groups It allows to pass parameters to the test cases Allows to add group dependencies Allows to add priorities to the test cases Allows to configure parallel execution of test cases Allows to parameterize the test cases |
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| What are the different ways to produce reports for TestNG results? | TestNG offers two ways to produce a report. - Listeners implement the interface org.testng.ITestListener and are notified in real time of when a test starts, passes, fails, etc - Reporters implement the interface org.testng.IReporterand are notified when all the suites have been run by TestNG. The IReporter instance receives a list of objects that describe the entire test run. |
| What is @DataProvider annotation? | @DataProvider: A test method that uses DataProvider will be executed the specific methods multiple number of times based on the data provided by the DataProvider. The test method will be executed using the same instance of the test class to which the test method belongs. |
| List out various ways in which TestNG can be invoked? | Using Eclipse IDE Using ant build tool From the command line Using IntelliJ's IDEA |
| What is the time unit we specify in test suites and test cases? | We specify the time unit in test suites and test cases is in milliseconds. |

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| How to write regular expression In testng.xml file to search @Test methods containing "smoke" keyword. | Regular expression to find @Test methods containing keyword "smoke" is as mentioned below. <methods> <include name=".*smoke.*"></include> </methods> |
| How TestNG allows to state dependencies? | TestNG allows two ways to declare the dependencies. - Using attributes dependsOnMethods in @Test annotations - Using attributes dependsOnGroups in @Test annotations |
| What are the annotations available in TestNG? | @BeforeTest @AfterTest @BeforeClass @AfterClass @BeforeMethod @AfterMethod @BeforeSuite @AfterSuite @BeforeGroups @AfterGroups @Test |
| Can you arrange the below testng.xml tags from parent to child? | The correct order of the TestNG tags are as follows <suite> <test> <classes> <class> <methods></methods></class></classes></test></suite> |



| How can we disable the test case from running? | We can disable the test case from running by using the enabled attribute. We can assign the false value to the enabled attribute @Test(enabled=false) public void testcase1() |
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| | |
| What is the use of @Listener annotation in TestNG? | TestNG provides different kinds of listeners which can perform different actions whenever the event is triggered. The most widely used listener in TestNG is ITestListener interface. The ITestListener interface contains methods such as onTestSuccess, onTestfailure, onTestSkipped, etc. Following are the scenarios that can be made: If the test case is failed, then what action should be performed by the listener. If the test case is passed, then what action should be performed by the listener. If the test case is skipped, then what action should be performed by the listener. |
| What is the use of @Factory annotation? | |
| | The @Factory annotation is useful when we want to run multiple test cases through a single test class. It is mainly used for the dynamic execution of test cases. |
| | |
| What is the difference between @Factory and @DataProvider annotation? | @DataProvider: It is annotation used by TestNG to execute the test method multiple numbers of times based on the data provided by the DataProvider. @Factory: It is annotation used by the TestNG to execute the test methods present in the same test class using different instances of the respective class. |

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| Where is the emailable report generated and saved in TestNG? | Emailable reports generate under the project folder and test-output subfolder. This report is available as "emailable-report.html" by default. |
| Where is the index report generated and saved in TestNG? | The index report generates under the project folder and test-output subfolder. Moreover, this report is available as "index.html" by default. |
| . How to create an XML file in TestNG? | Go to the src folder -> click on file ->enter the name of the file(mostly written testing.xml) We have a blank XML file. Here, we have to mention the project name and the classes to be executed along with the package name as shown below. <suite name="Testing project"> <test name="Testing feature 1"> <classes> <class name="packagename.name of class1"></class> <class name="packagename.name of class1"></class> <class name="packagename.name of class1"></class> <class name="packagename.name of class1"></class> </classes> </test> </suite> |
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