

Last updated: 13 Oct 2021

# Selenium Java Training - Session 22 - TestNG (Part 2)

## TestNG (Part 2)

### ◦ @BeforeMethod

- Methods annotated with @BeforeMethod annotation will be executed before the @Test annotated methods.
- Used with the methods having the code, which is required to be executed before executing the code in test methods.
  - Example: **Opening Browser and Application** before actually performing any tests on them.
- Demonstrate a program which uses @BeforeMethod and a single @Test method - Demonstrate [here](#)
- Demonstrate a program which uses @BeforeMethod and multiple @Test methods - Demonstrate [here](#)

### ◦ @AfterMethod

- Methods annotated with @AfterMethod annotation will be executed after the @Test annotated methods.
- Used with the methods having the code, which is required to be executed after executing the code in test methods.
  - Example: Closing the Application/Browser after the tests are performed on them.
- Demonstrate a program which uses @AfterMethod and a single @Test method - Demonstrate [here](#)
- Demonstrate a program which uses @AfterMethod and multiple @Test methods - Demonstrate [here](#)

### ◦ @BeforeClass

- Methods annotated with @BeforeClass annotation will be executed before executing the Class
- Used with the methods having the code, which is required to be executed before executing the Class code
  - Example: Instead of opening application for each and every test, if we want to open the application only once before all the tests in a Class are executed.
- Demonstrate a program which uses @BeforeClass along with other annotated methods - Demonstrate [here](#)

- Used with the methods having the code, which is required to be executed after the executing the Class code
  - Example: Instead of closing application for each and every test, if we want to close the application only once after all the tests inside the Class got executed.
- Demonstrate a program which uses @AfterTest along with other annotated methods - Demonstrate [here](#)

### • Executing the Java class files in batch using TestNG.xml

- Instead of running the Classes individually, we can use testng.xml file
- First create multiple classes (Say ClassOne, ClassTwo, Class Three, ClassFour etc) having @Test methods and execute the classes individually
- Create a testng.xml file in the Project and execute all the classes at a go using testng.xml file
  - Right click on the Project > Select TestNG > Convert To TestNG
- Suite name in testng file - suite tag - say payments
- Test module name in testng file - test tag - say netbanking
- Create multiple test modules in testng.xml file
- We can specify a group of classes under classes and class tags
- @BeforeTest
- @AfterTest
- @BeforeSuite
- @AfterSuite
- Commenting in testng.xml file
- Excluding a method from execution by changing the testng.xml file
  - `<class name="demopack.DemoMavenProject.Demo"> <methods> <exclude name="demoMethodTwo"/> </methods> </class>`
- Or, we can include a specific method that only needs to be executed by changing the testng.xml file
  - `<class name="demopack.DemoMavenProject.Demo"> <methods> <include name="demoMethodTwo"/> </methods> </class>`
- Exclude or include with regular expressions
  - `<class name="demopack.DemoMavenProject.Demo"> <methods> <include name="demo.*"/> </methods> </class>`
- Executing the tests at package level
  - Under test tags, specify the package name - `<test> <packages> <package name="xyz"/> </packages> </test>`
- Groups
  - include a group - [view here](#)
  - exclude a group (Simply change include to exclude in the above example here)
  - `@Test(groups={"smoke"})`
- More attributes
  - `dependsOnMethods` - before executing the test, the dependent tests will be executed. [View](#)

4. `python3 exploit.py` - Starts executing the code, the exploit code will be executed - [View here](#)

5. `python3 exploit.py` to stop it from executing- [View here](#)

6. `python3 exploit.py` - [View here](#)

Save Copy to Evernote

By,

Arun Motoori

Arun Motoori

[Save Copy to Evernote](#)

[Save Copy to Evernote](#)

[Terms of Service](#)

[Privacy Policy](#)

[Report Spam](#)