

# What are TestNG Listeners | How to use TestNG Listeners with Selenium

Today we will learn

- 1 What are TestNG listeners
- 2 Types of listeners
- 3 How to use TestNG listeners
  - at class level
  - at suite level (multiple classes)
- 4 Selenium test example

helpful tips

What are TestNG Listeners

Listeners are components in TestNG that listens ( keep a track ) of test execution and helps to perform actions at multiple stages of test execution

Example

OnStart

OnFinish

OnSuccess

OnFailure

Etc...

Listeners are interfaces in TestNG library

How to use TestNG listeners

Step 1

Create a new package and new Class

Step 2

Implement ITestListener interface

```
public class TestNGListener implements ITestListener
```

Step 3

Add unimplemented methods of ITestListener interface

#### Step 4

Create a Demo class and provide annotation  
`@Listeners(packageName.ClassName)`

#### Step 5

Run and validate

How to use at Suite Level (multiple classes)

#### Step 1

Create testng.xml file

#### Step 2

Define listeners in testng.xml file

#### Step 3

Run and validate

Adding more listeners from TestNG

You can implement more listener interfaces in your existing class and add implemented methods

## REFERENCES

<http://testng.org/doc/documentation-main.html#testng-listeners>

<http://testng.org/doc/documentation-main.html#logging-listeners>

<https://jitpack.io/com/github/cbeust/testng/master/javadoc/org/testng/ITestListener.html>