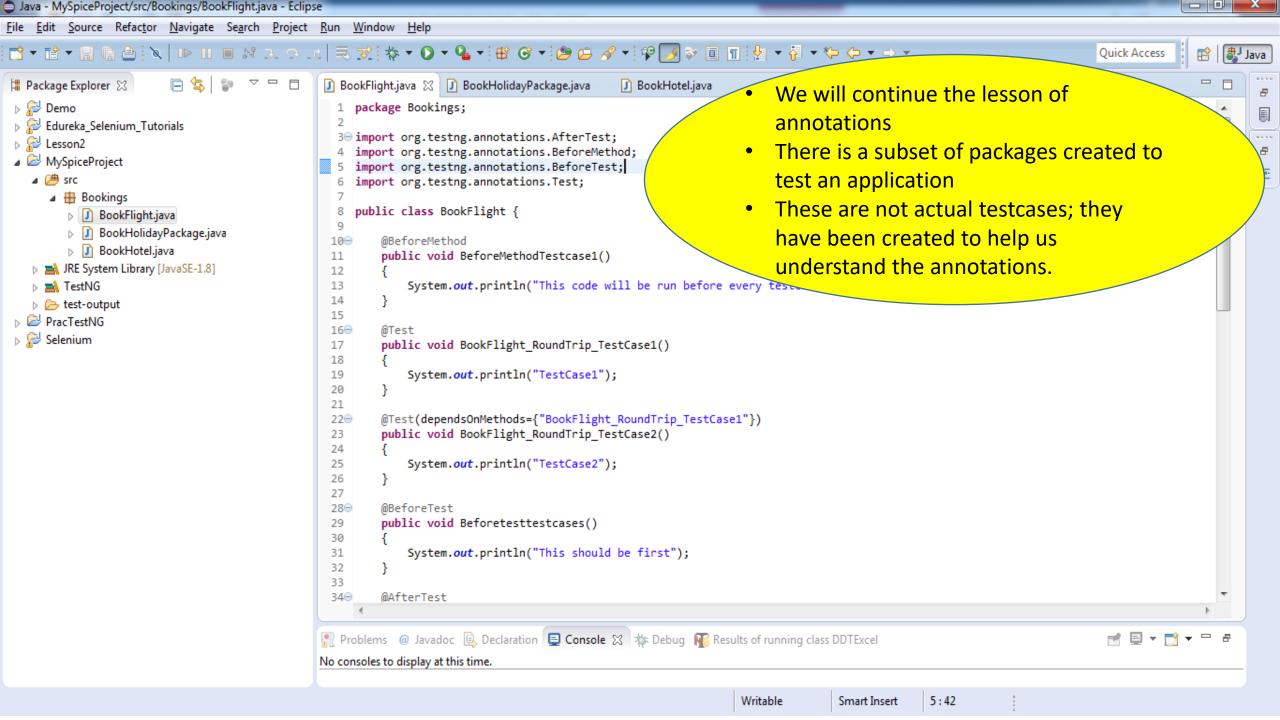
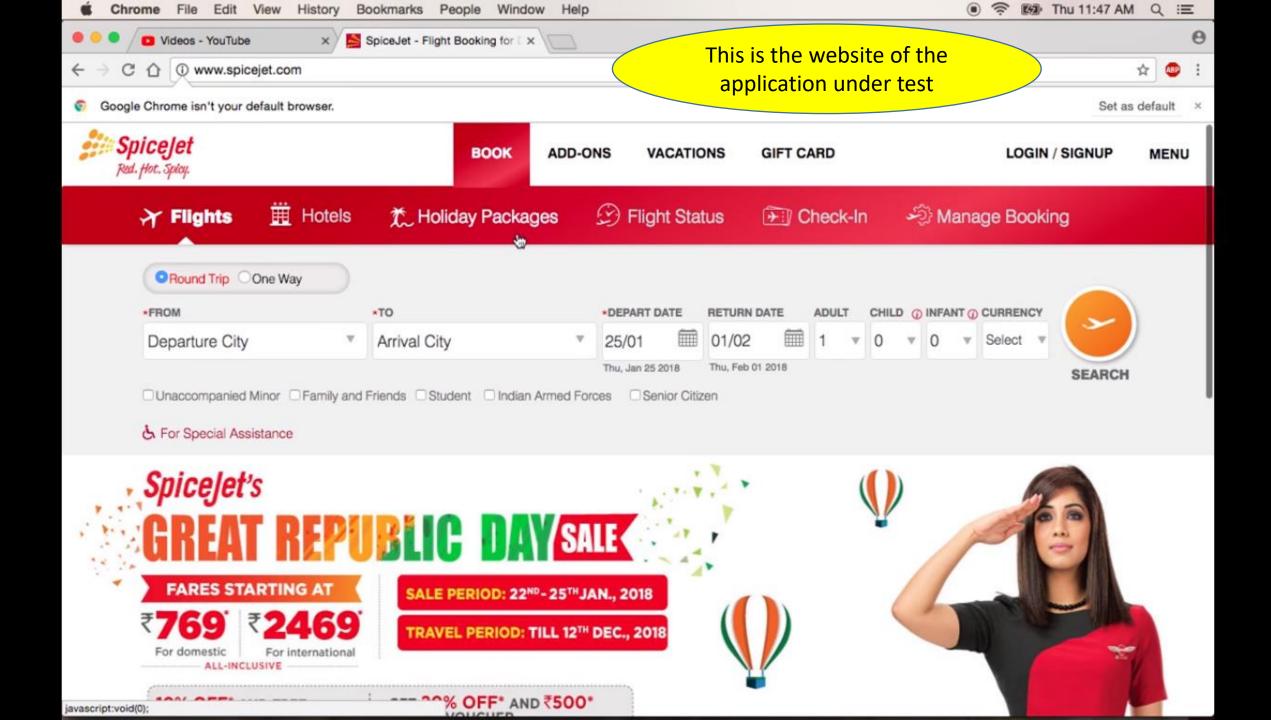
Lesson 7 TestNG XML Config

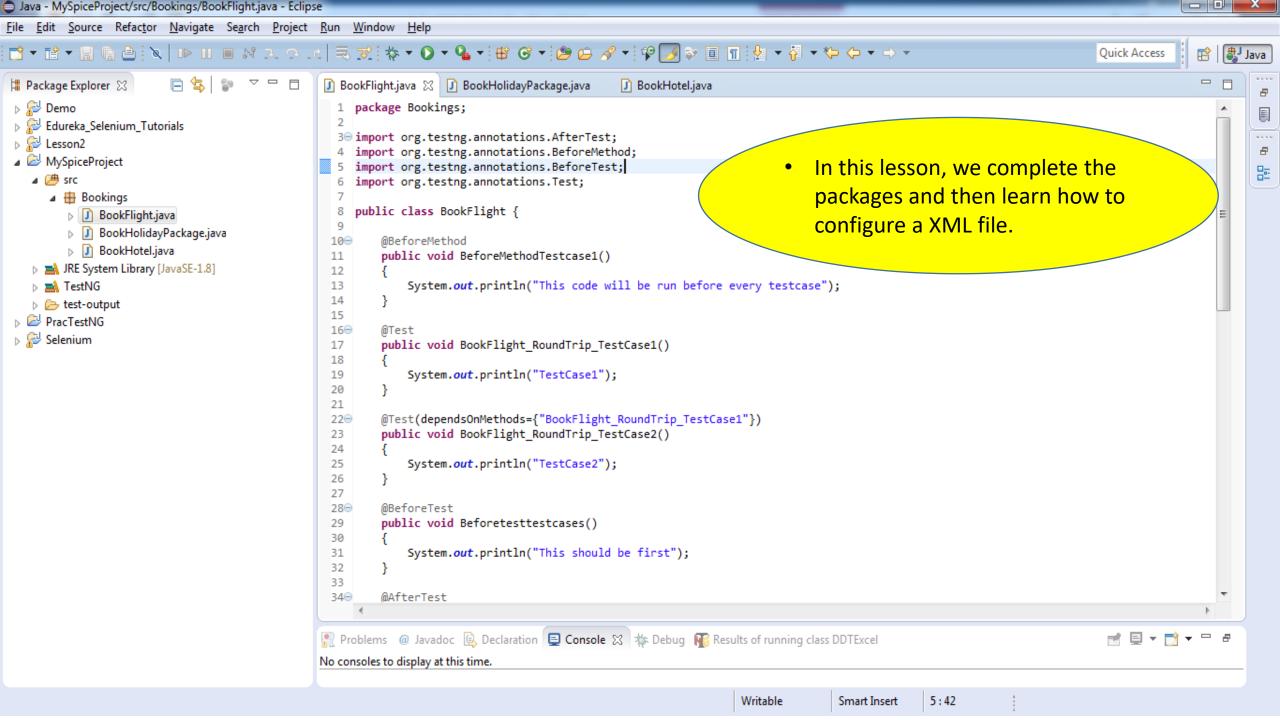
Note and presentation: N.C. Danh
Faculty of Software Engineering
College of Information and Communication Technology
Can Tho University
22/03/2023

TestNG

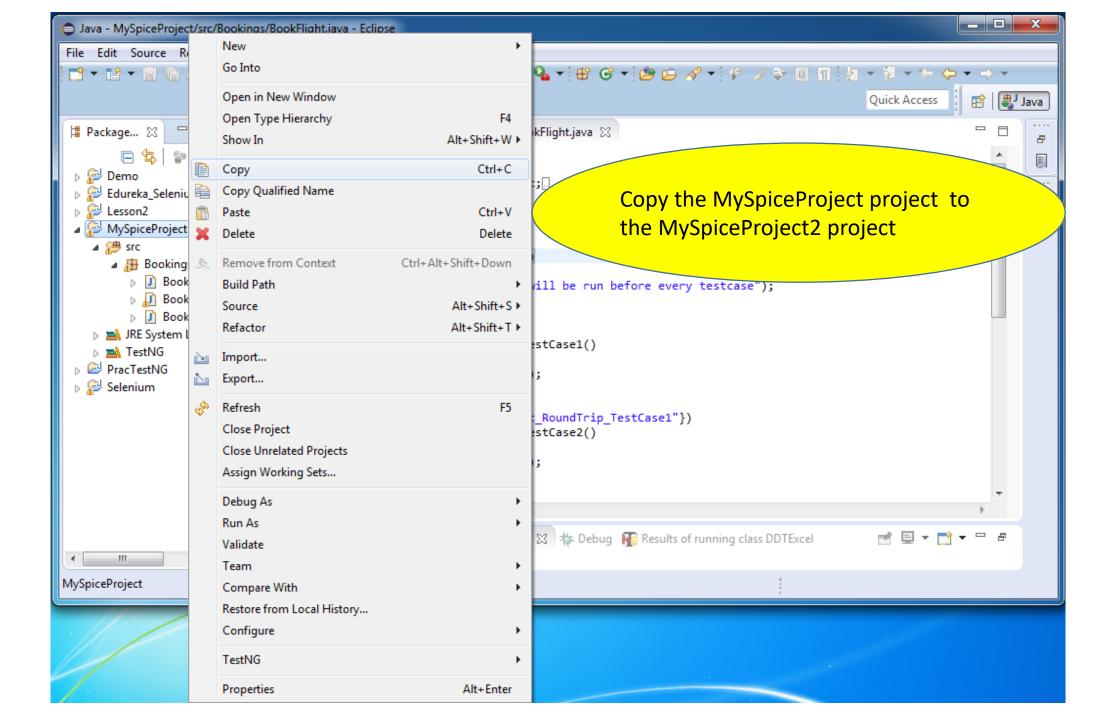
- Installation
- Advantages
- Annotations
- TestNG XML Configuration
 - O Why do we need to create this XML Config file?
 - O How do we generate this XML Config file?
 - O How can we run multiple tests at once?

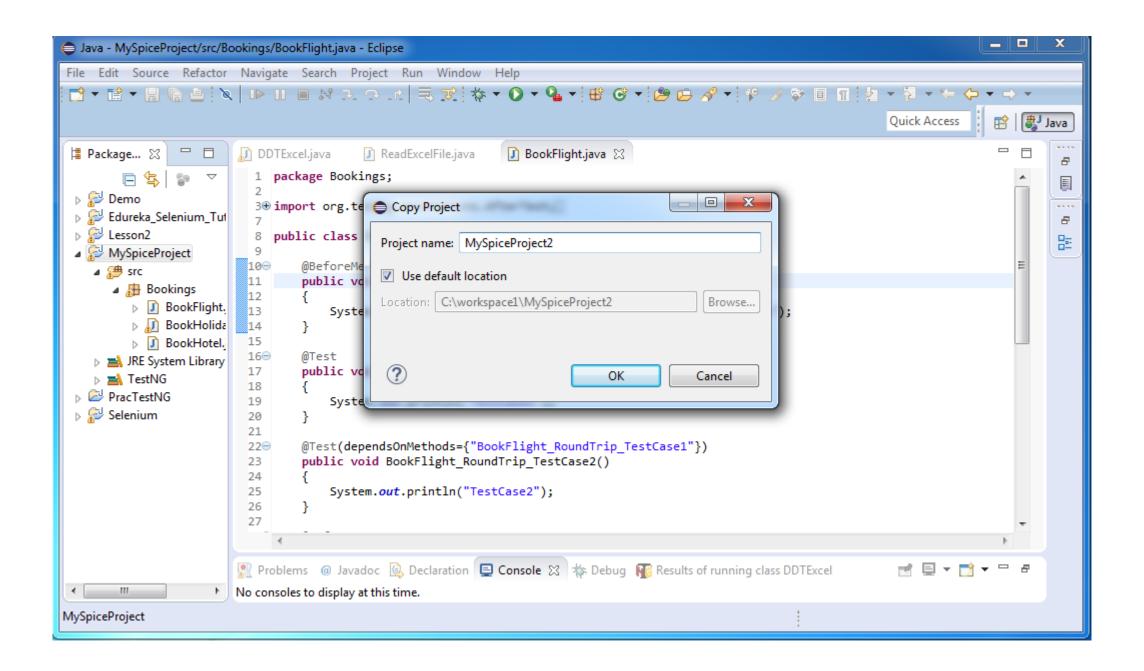


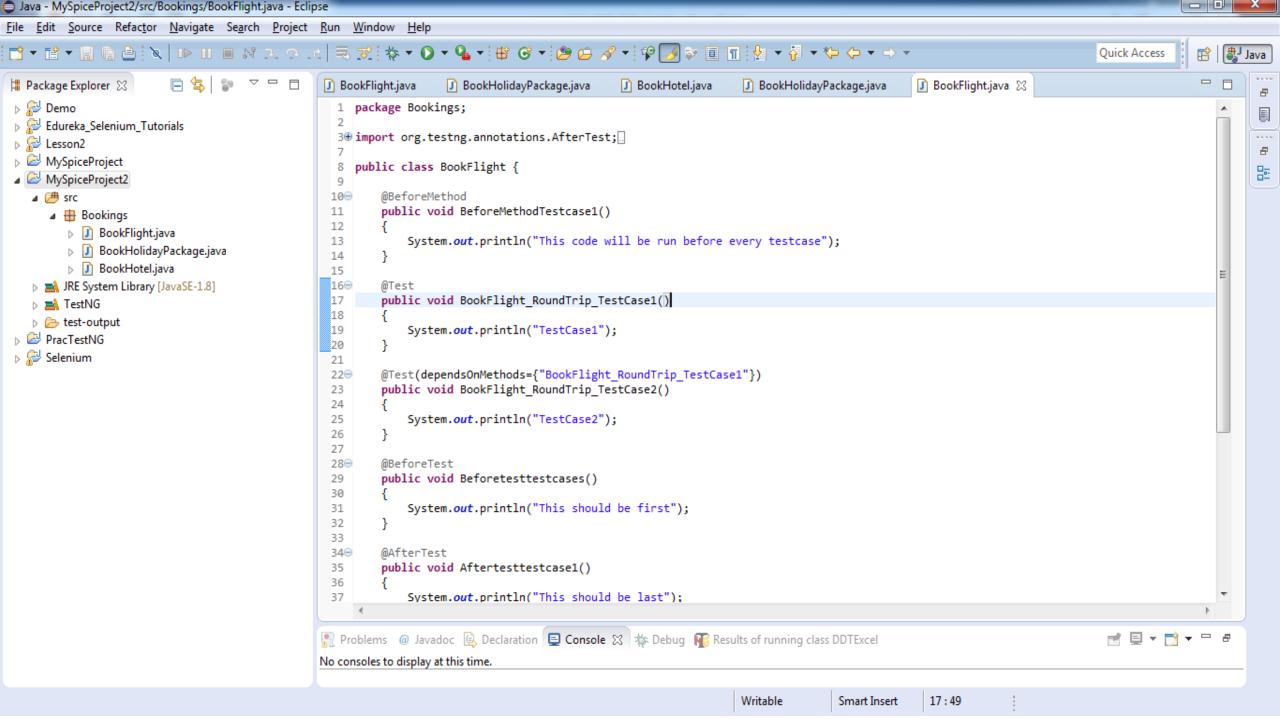




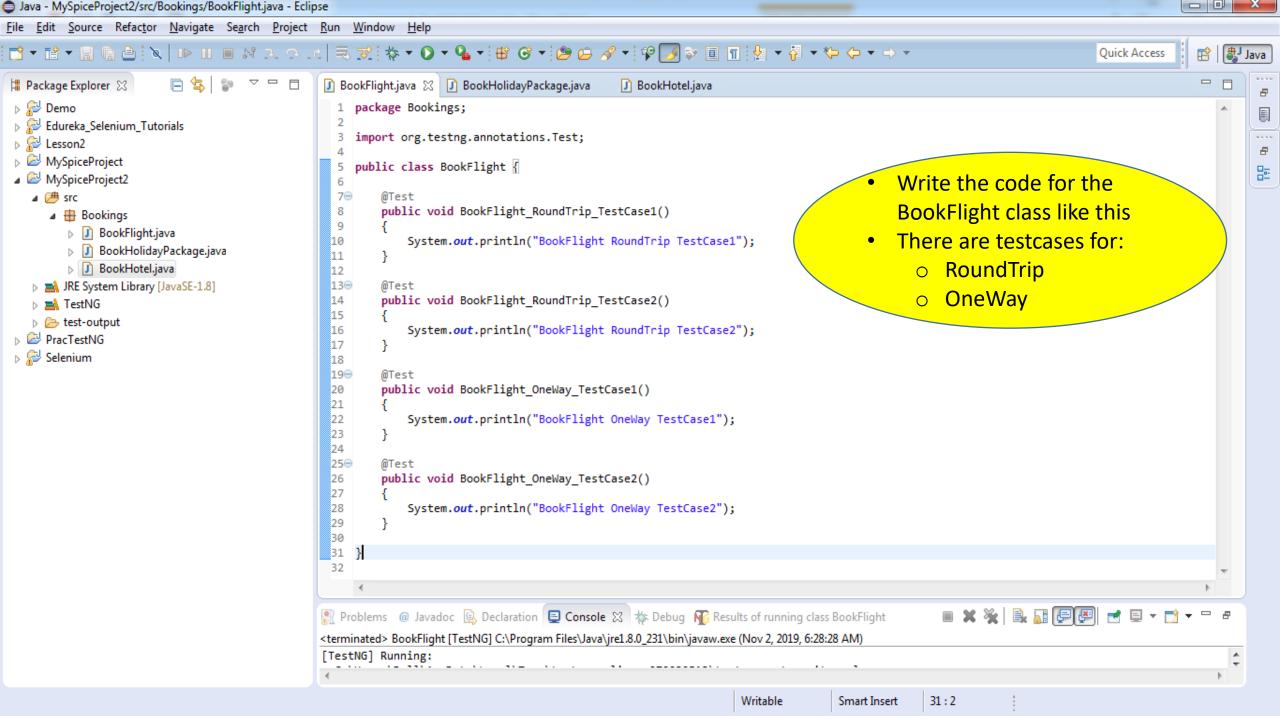
- First, we clone the MySpiceProject project to the MySpicePropject2 project
- Then, we will work on the MySpiceProject2 project

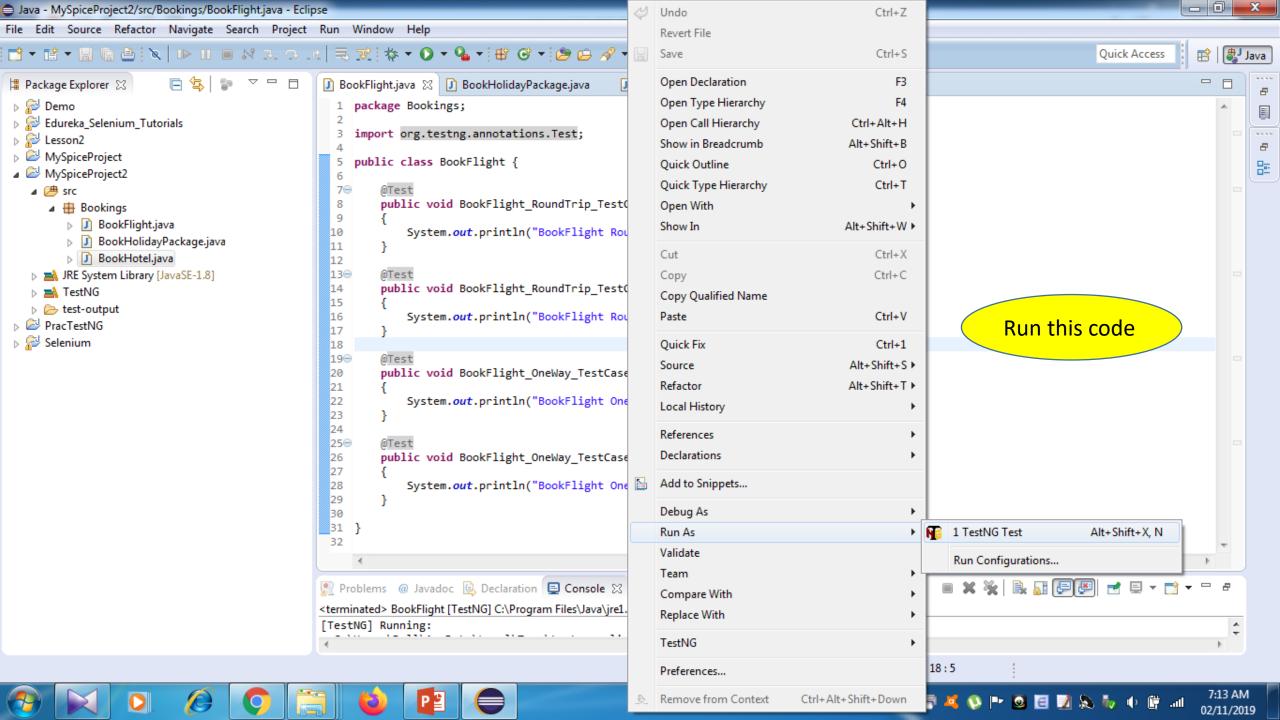


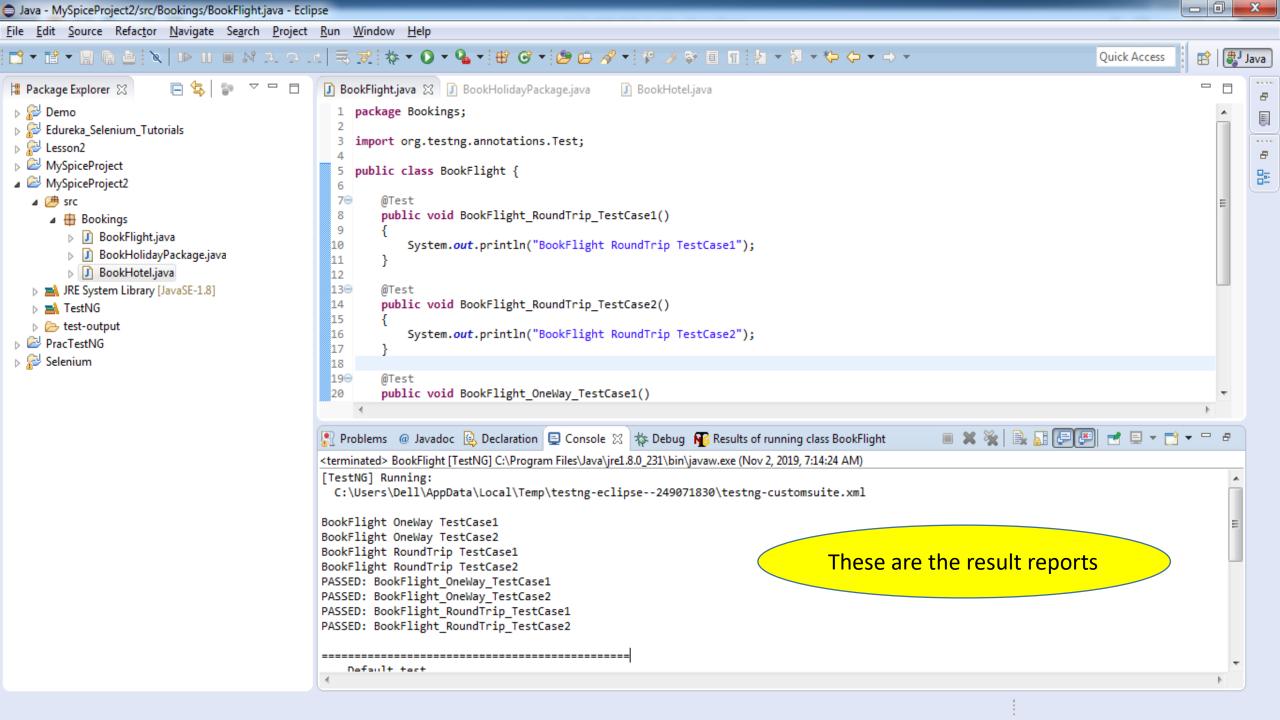


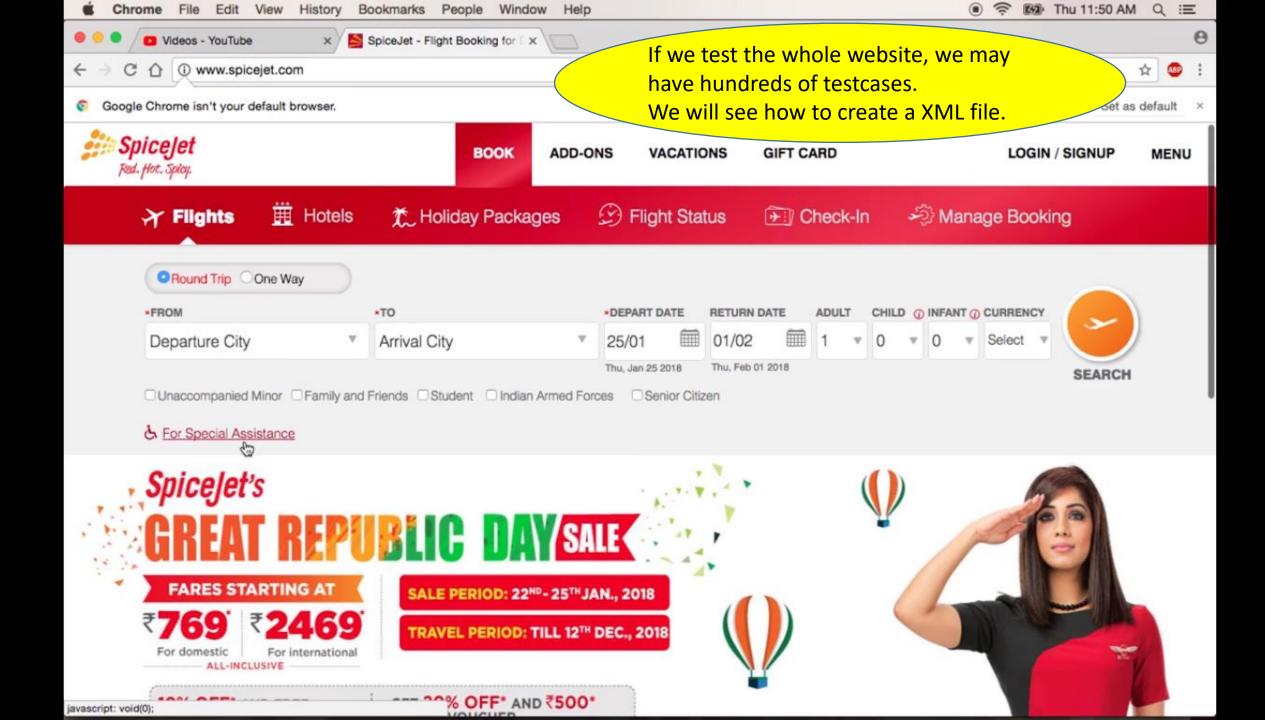


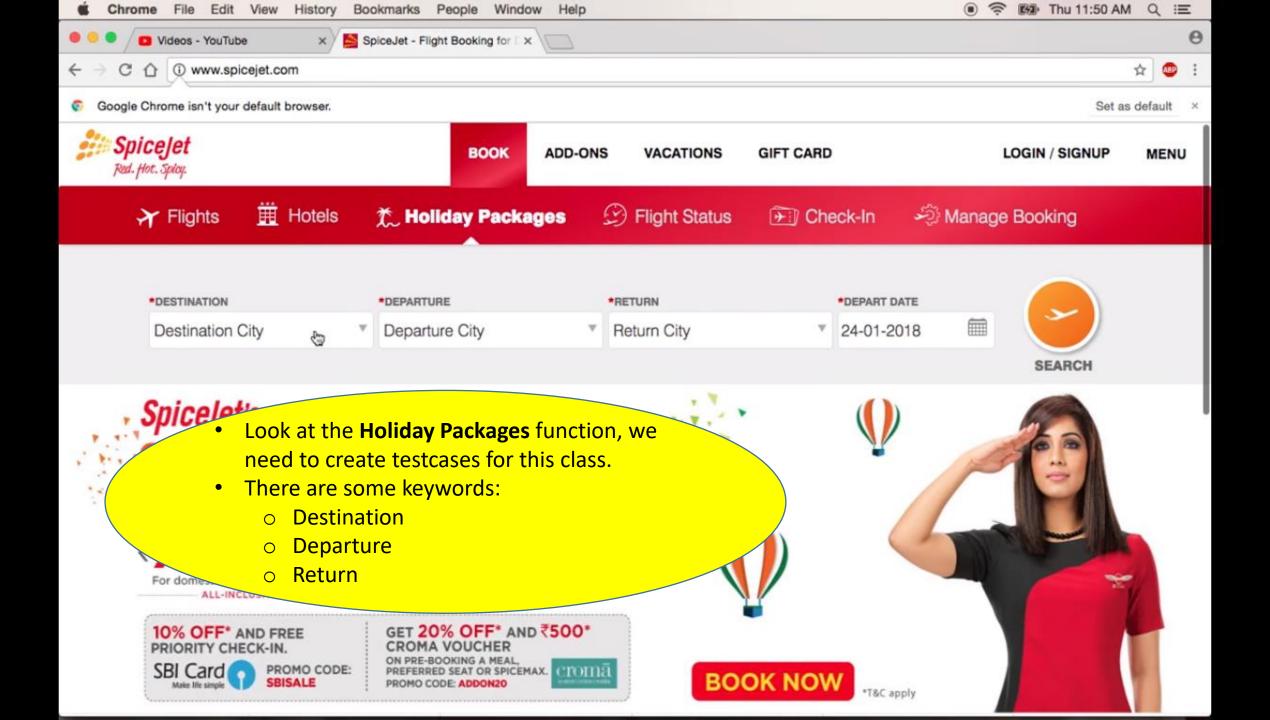
Now, we create contents for Java classes

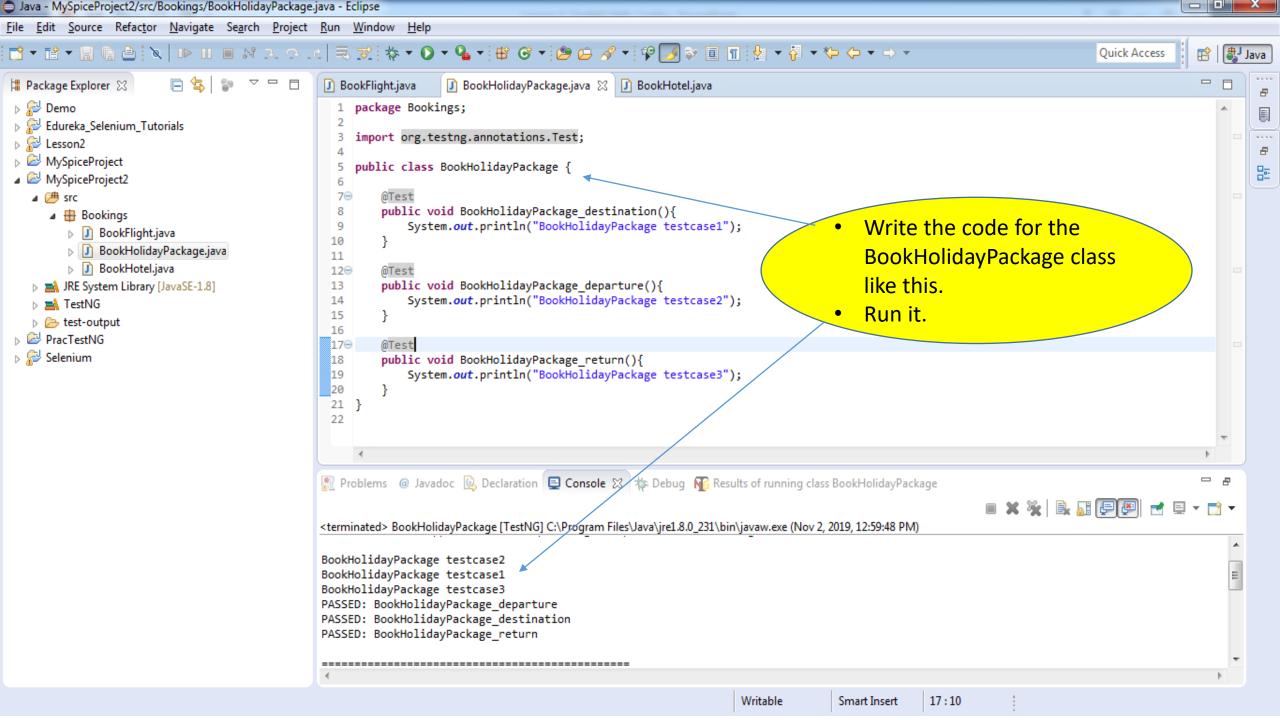


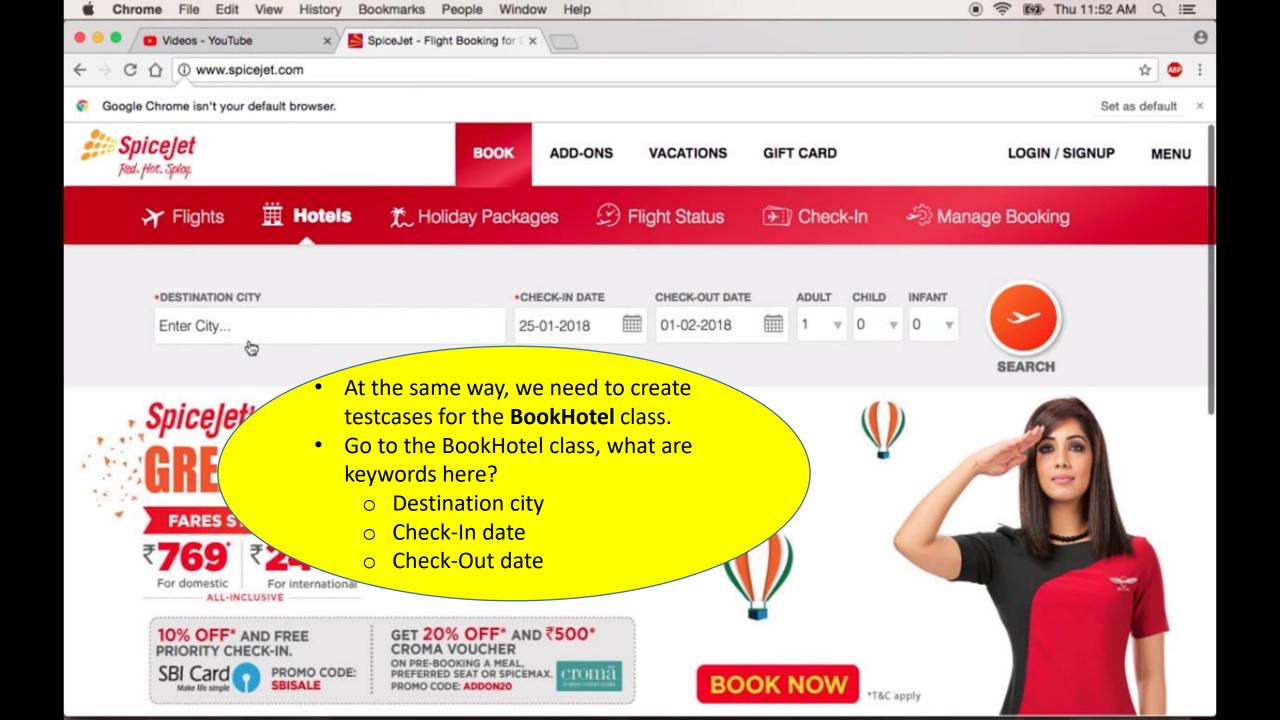


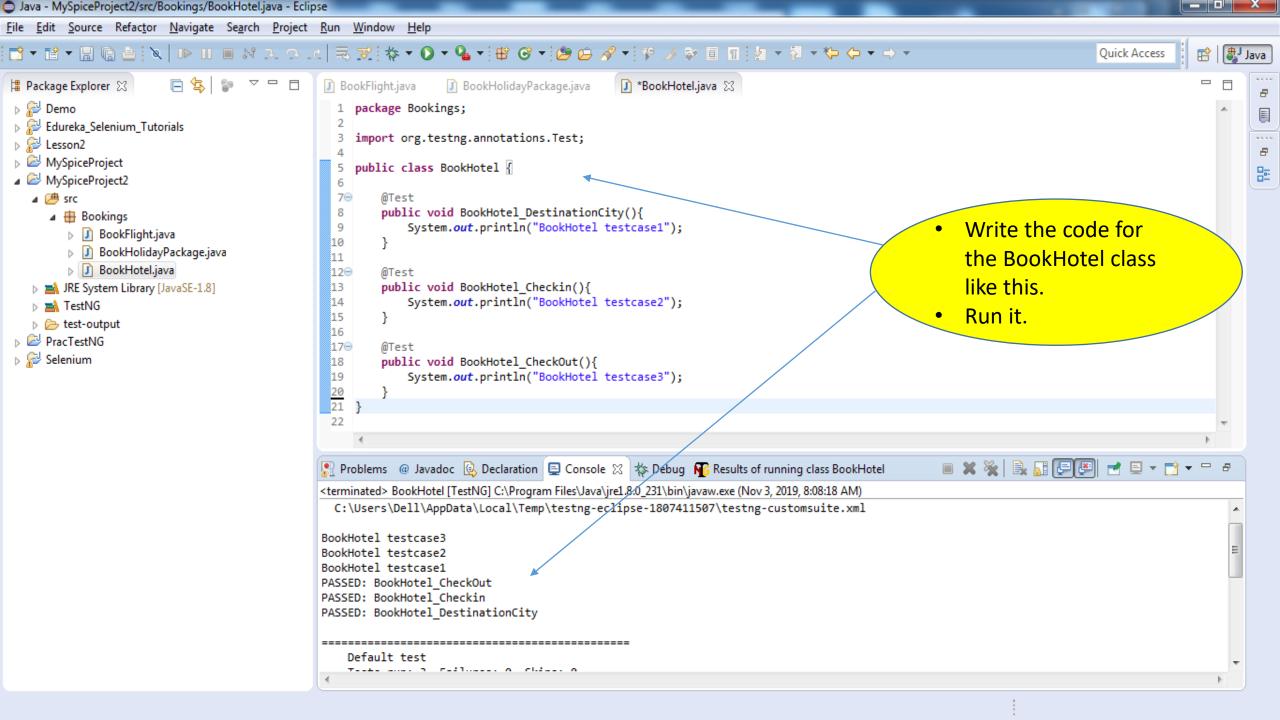












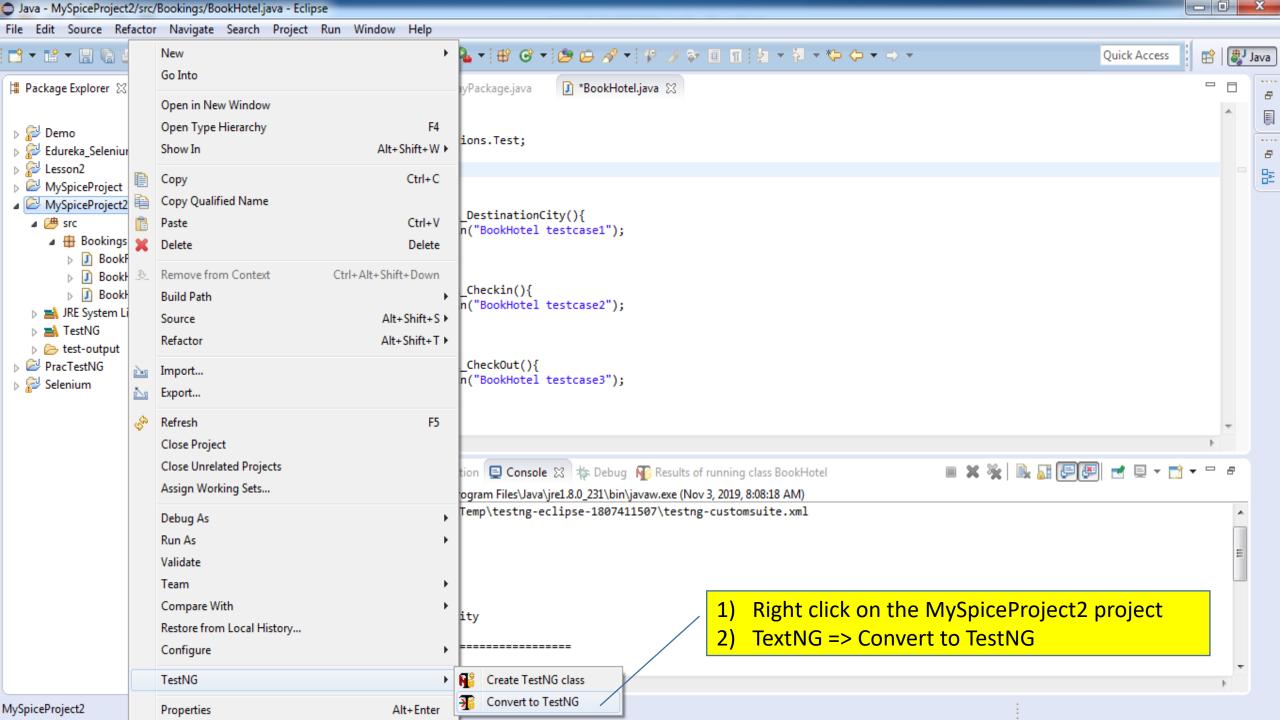
Problems

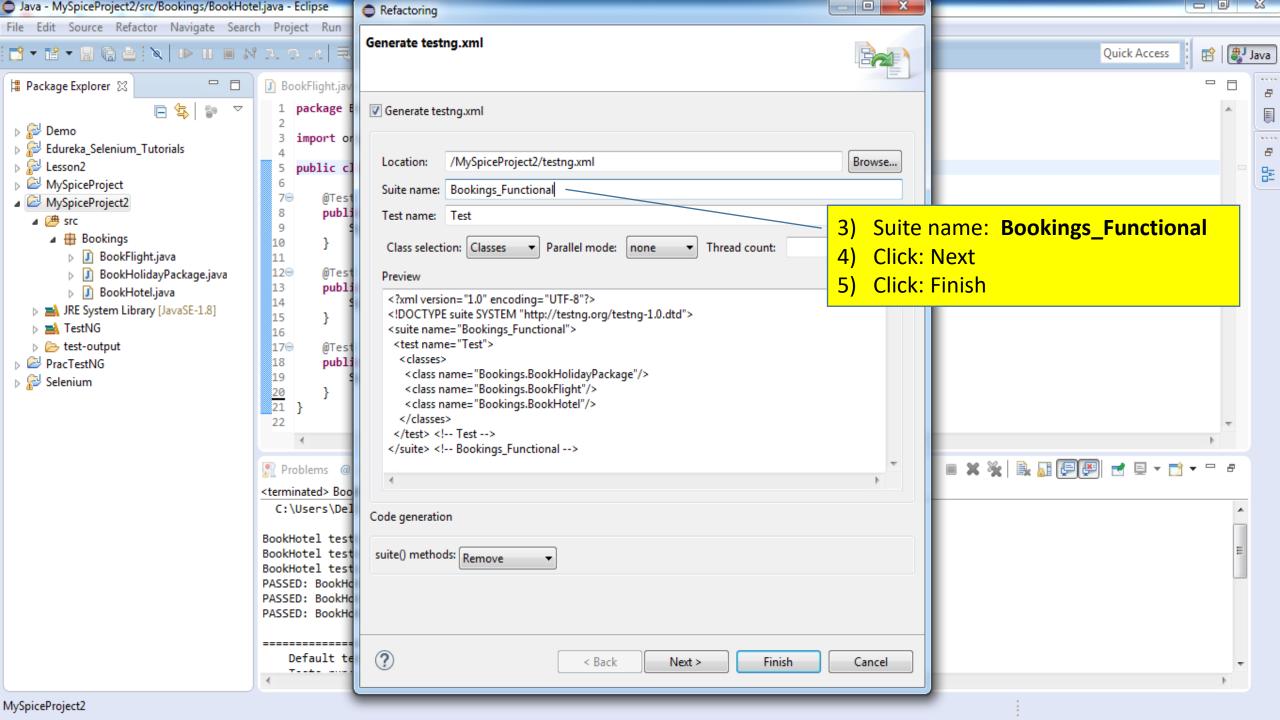
Scenarios of the Example	Scenarios of Real time
We have 3 classes: OBookFlight: 4 testcases OBookHolidayPackage: 3 testcases OBookHotel: 3 testcases	We may have many classes (e.g., 7 or 8) with a large number of testcases (e.g., hundreds of testcases).
Run each class individually with some testcases	Run many classes together with hundreds of testcases

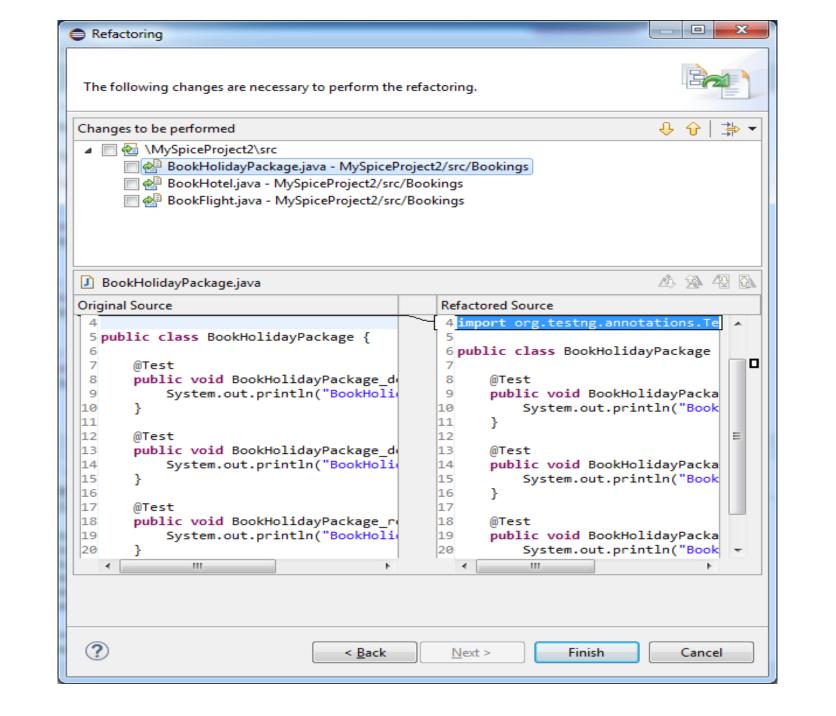
Solution

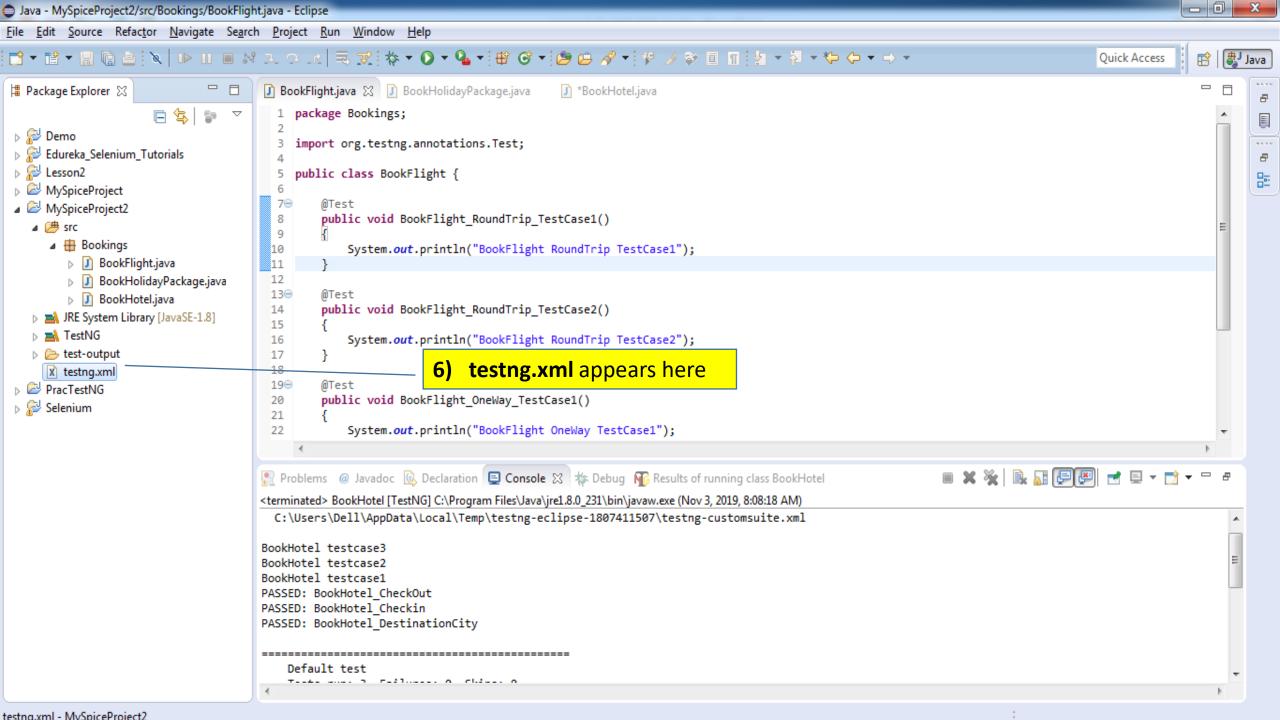
- TestNG XML Configuration
 - To create a XML Config file
 - To run multiple tests at once

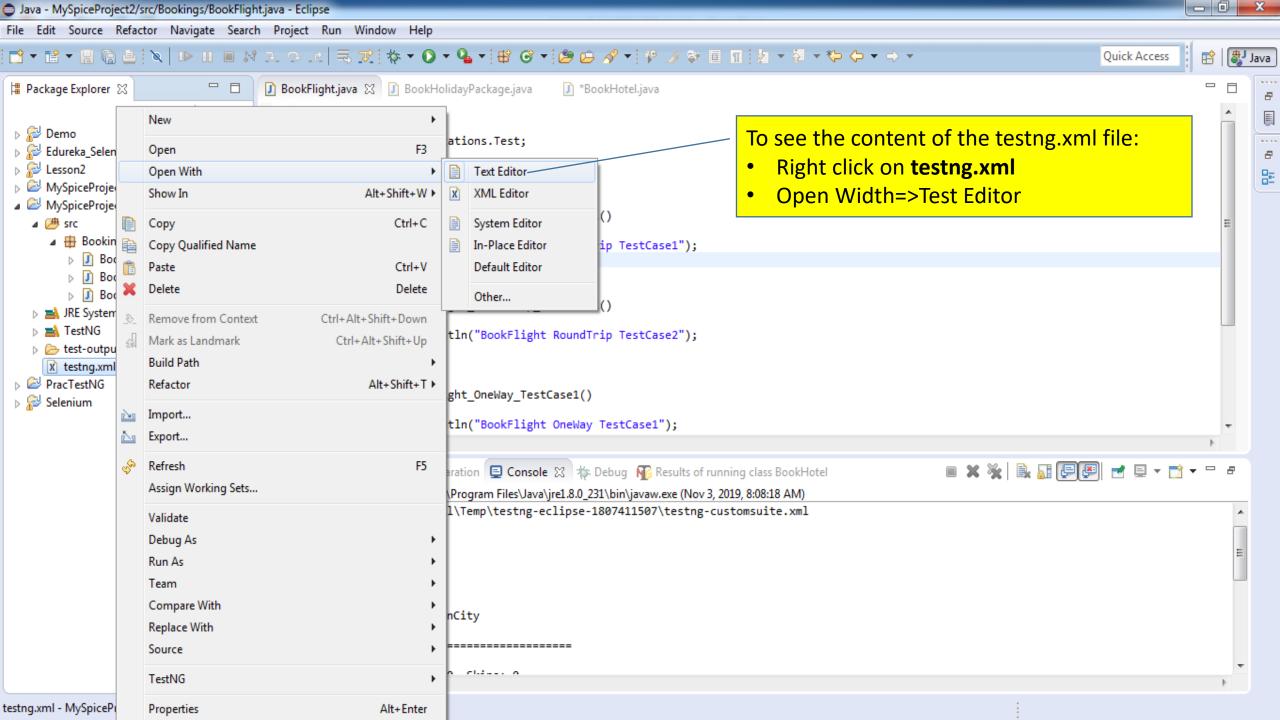
How to do create TestNG XML Configuration?

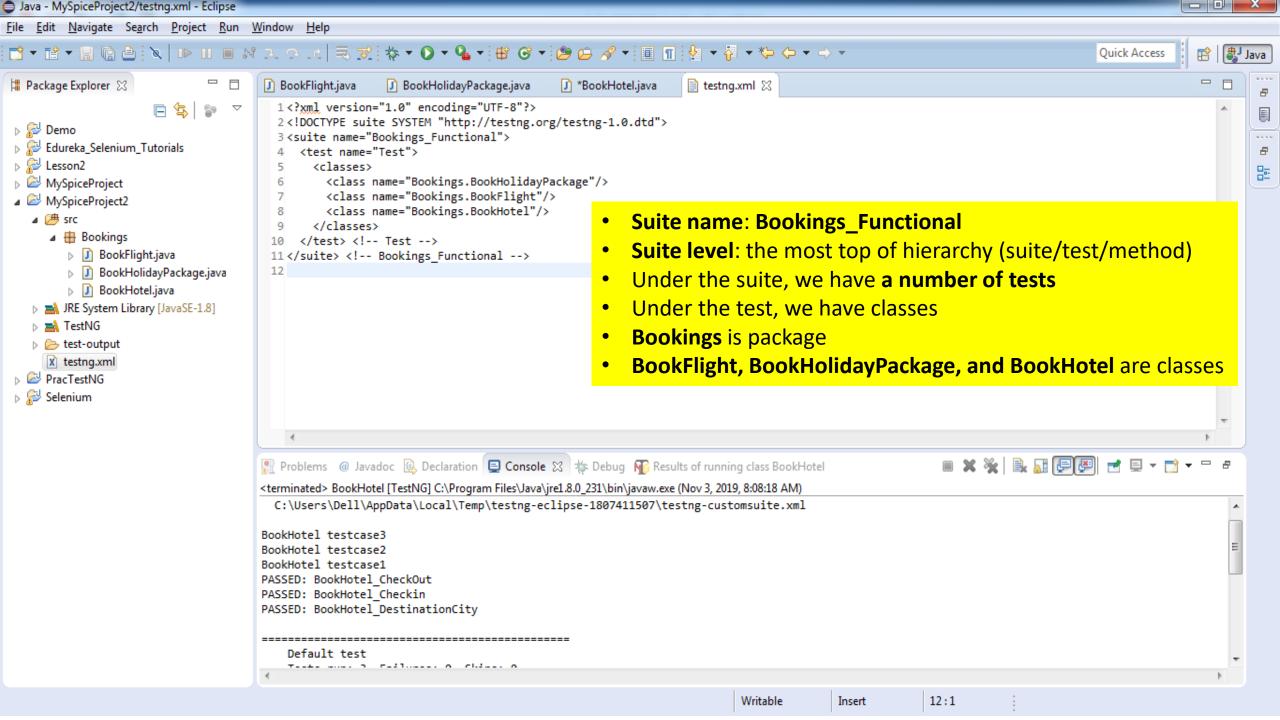


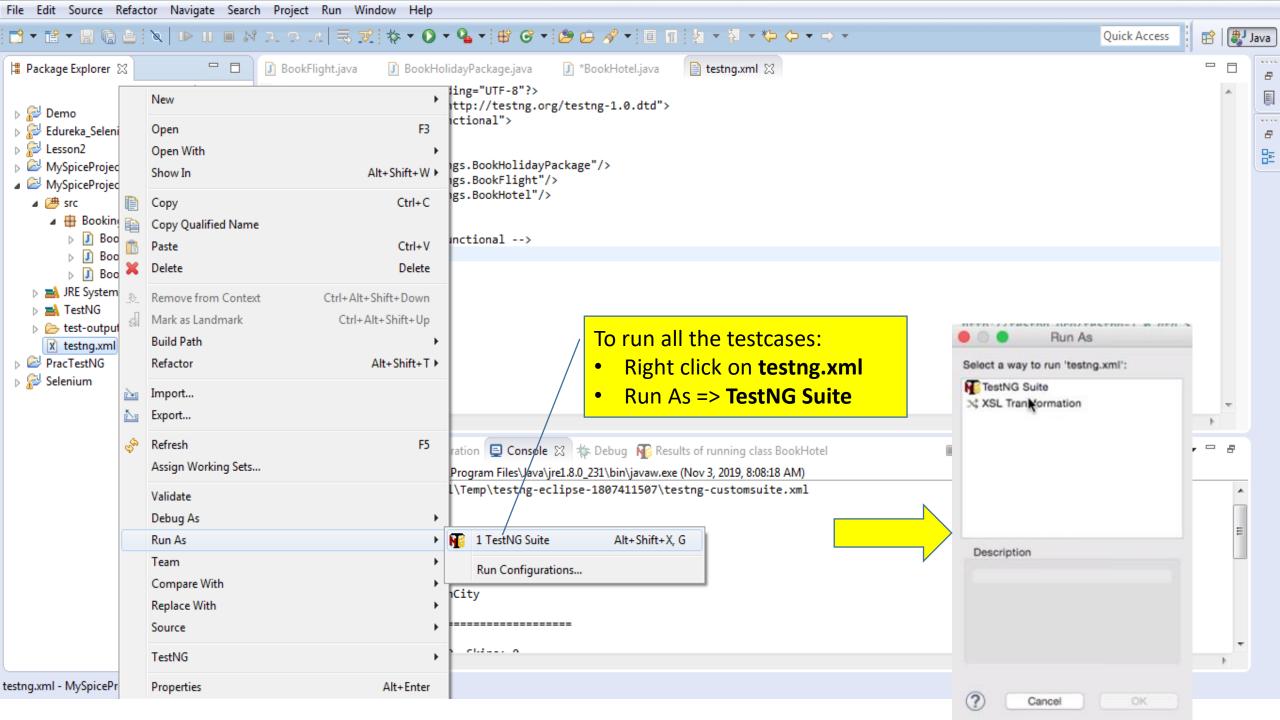


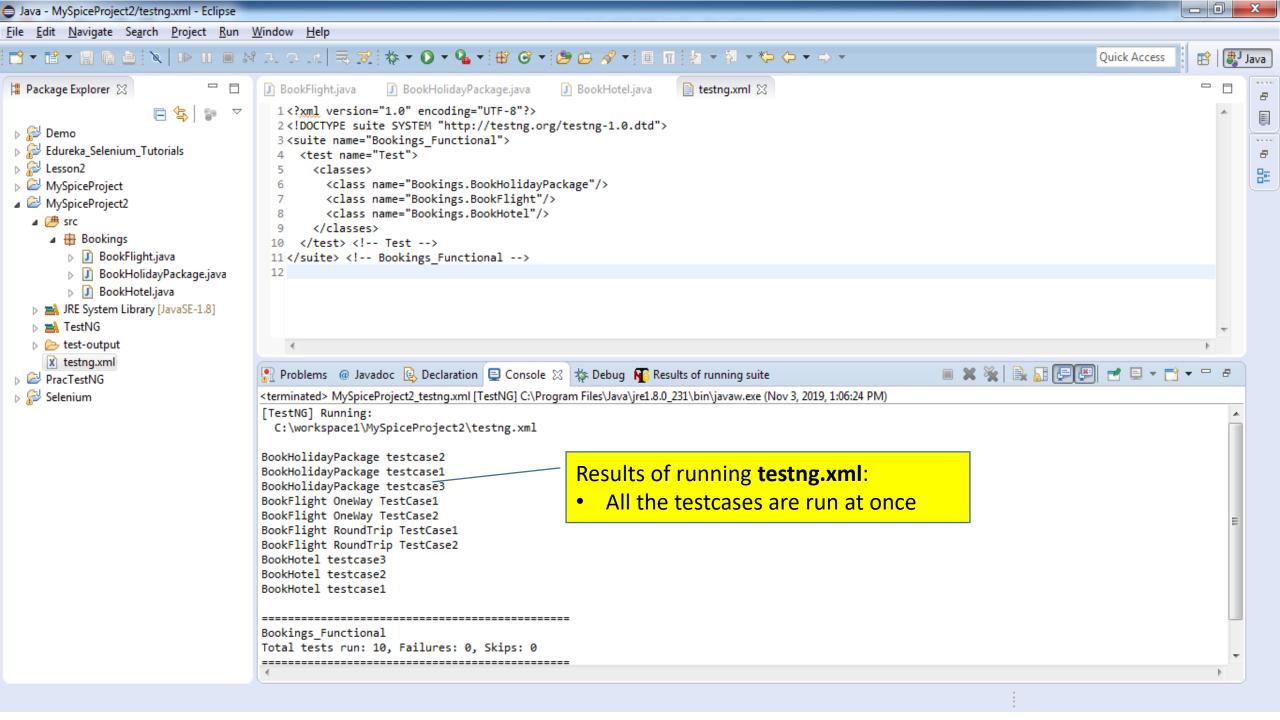




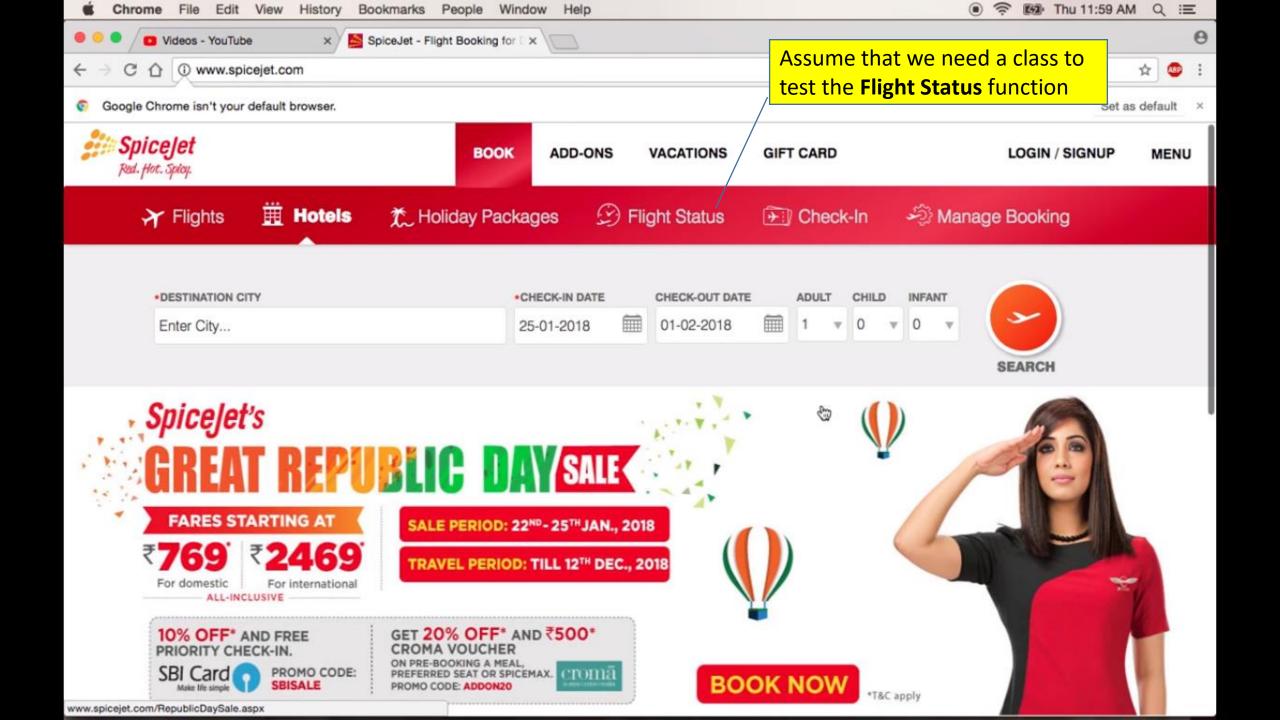


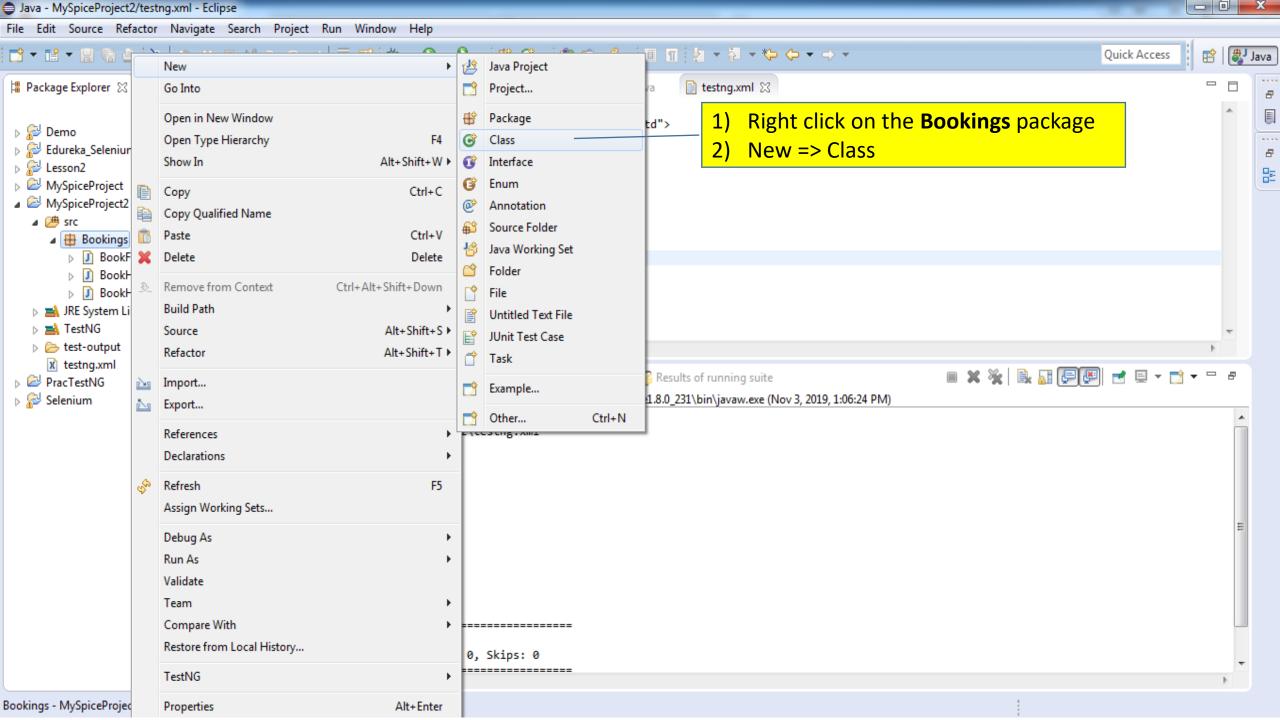


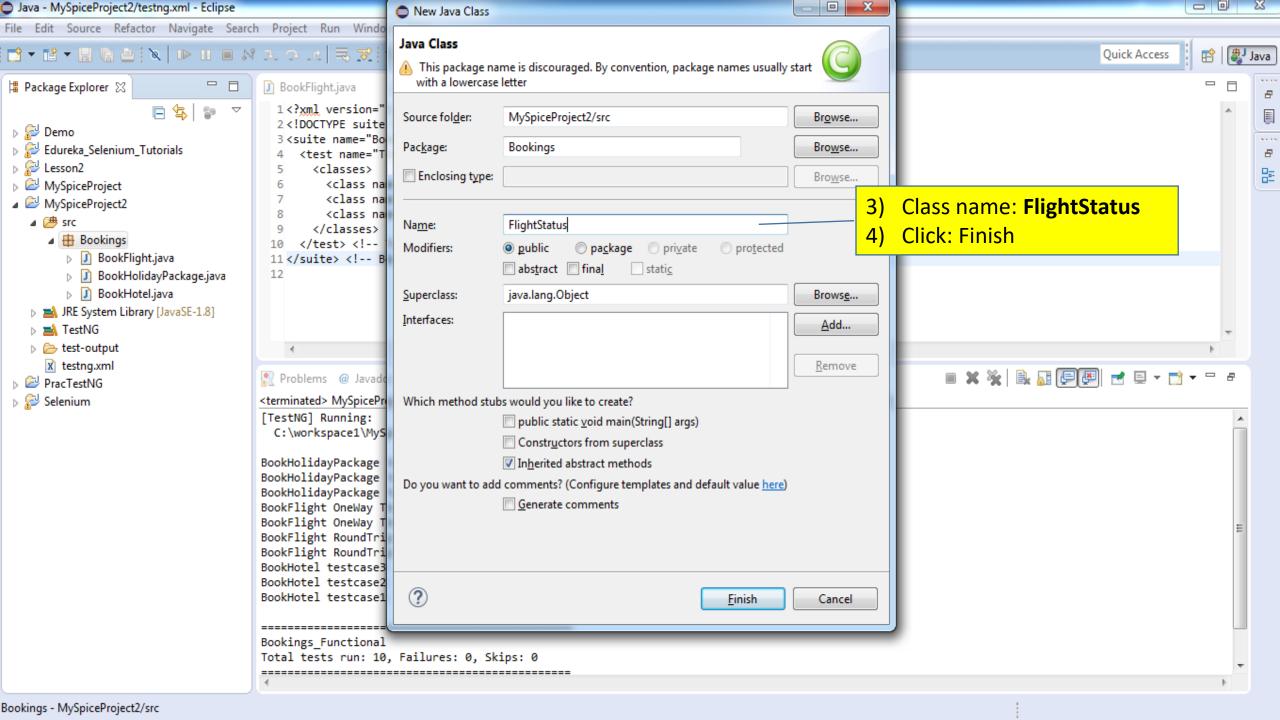


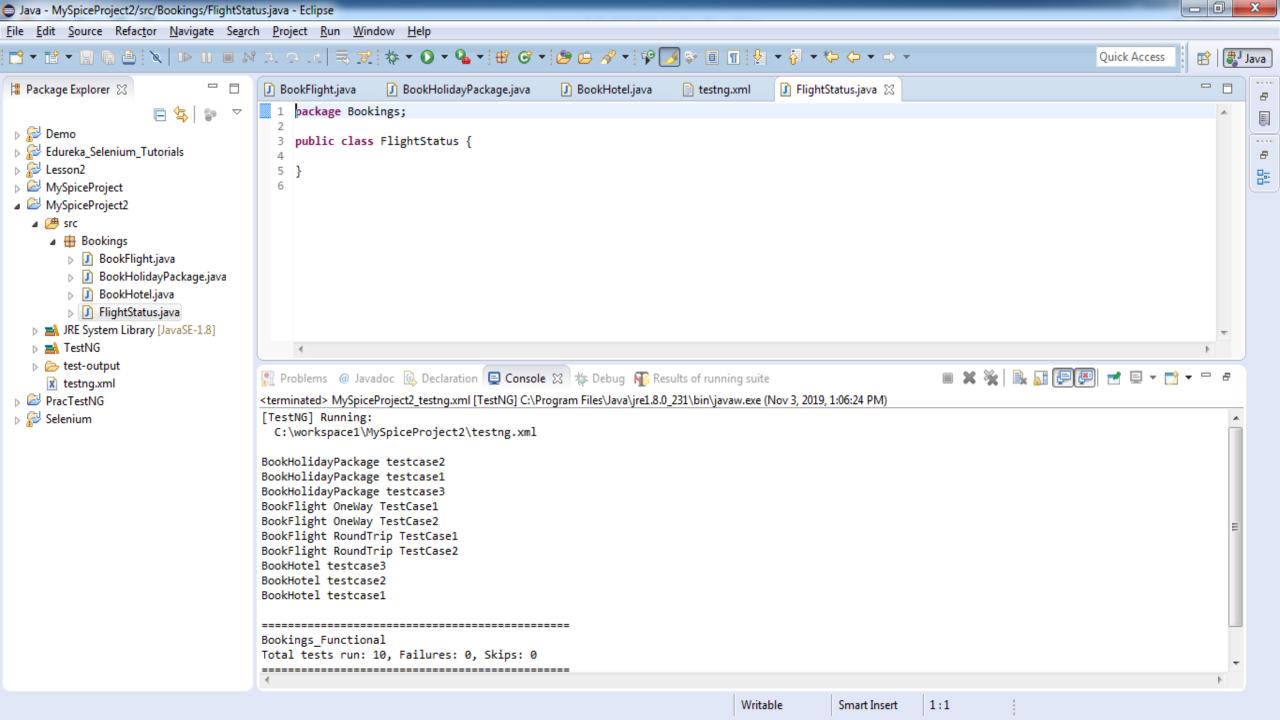


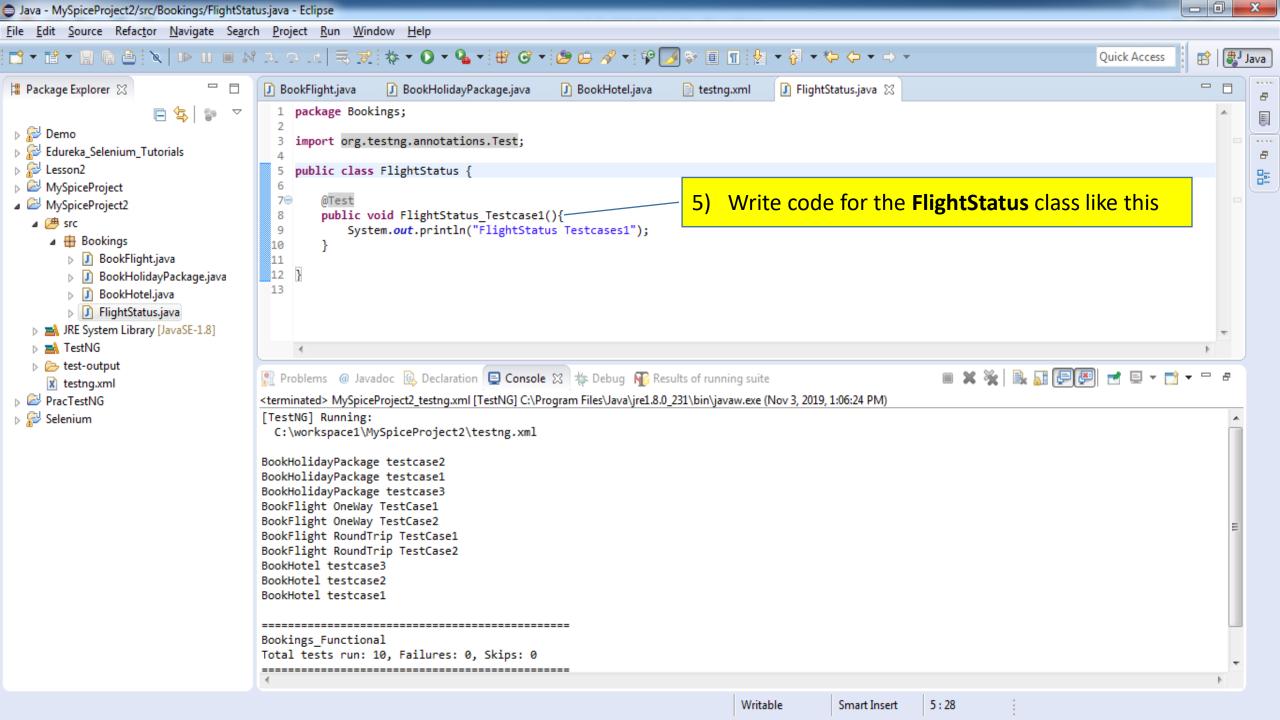
• Now, we try to add a new class and then run it from the XML file	

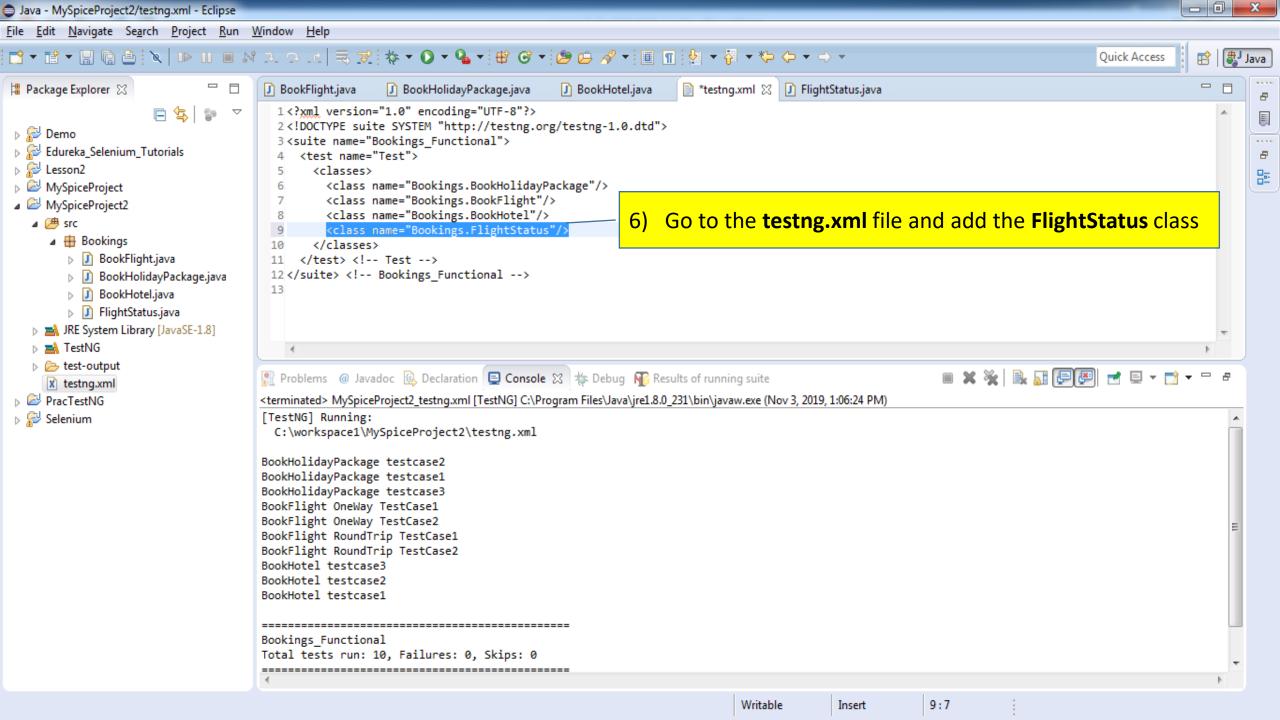


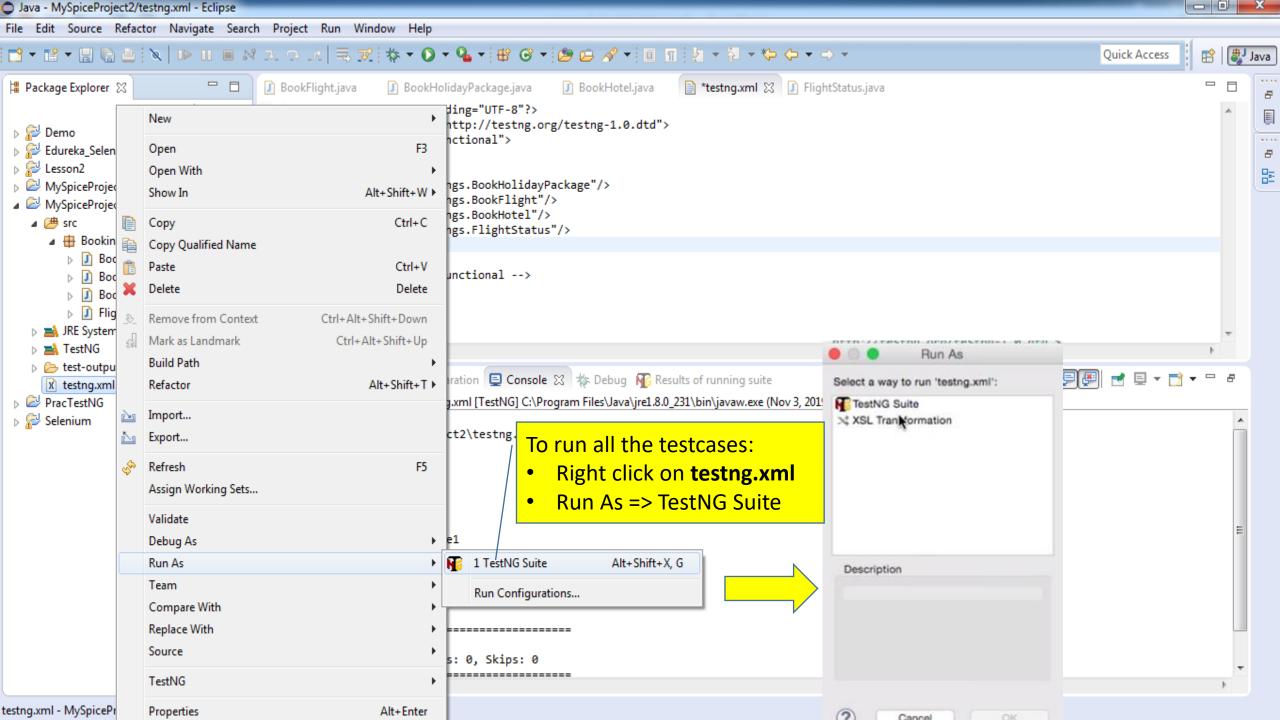


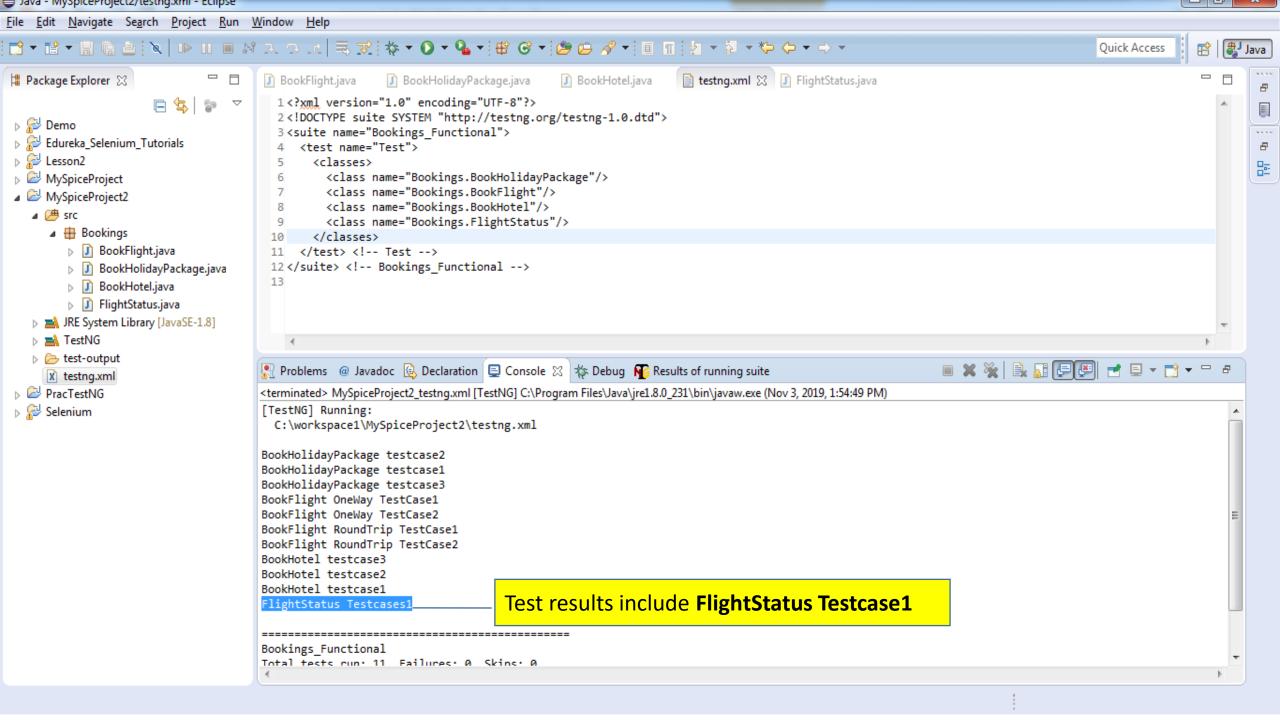






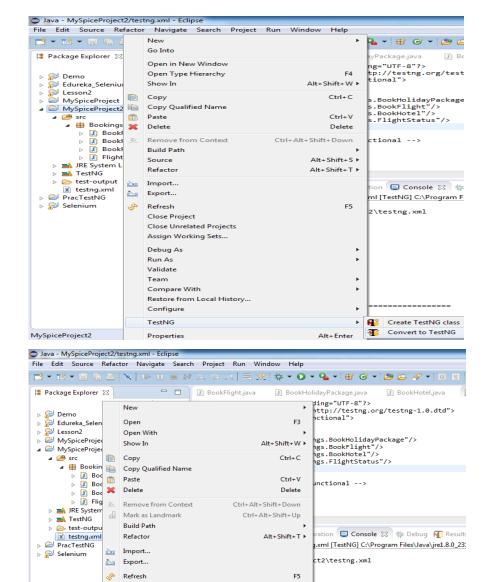






Summary

- Why do we need to create this XML Config file?
 - Because it allows to run all the testcases at once instead of running each class of test cases individually.
- How do we generate this XML Config file?
 - After we complete writing classes, at project level, right click and TestNG => Convert to TestNG.
 - Automatically create XML file.
- How can we run multiple tests at once?
 - O Right click on testng.xml => Run as => TestNG Suite.
 - Hundreds of testcases will run at once.



1 TestNG Suite

a Skins · a

Run Configurations..

Alt+Shift+X (

Assian Working Sets.

Run As

Source

TestNG

Properties

testng.xml - MySpicePr

Reference

 TestNG XML Config, <u>https://www.youtube.com/watch?v=m_OeyPYNLc8&list=PLW2TrvplfS</u> tfQqgWJmXRTwtspS6RKmtoR&index=3

Read more

- 1. TestNG Introduction, https://www.youtube.com/watch?v=ok_sG11axFA&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=1
- 2. TestNG Annotations, https://www.youtube.com/watch?v=JL4LbEi0JfU&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=2
- 3. TestNG Include and Exclude methods, https://www.youtube.com/watch?v=xRLt6CG0mll&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=4
- 4. TestNG Groups, https://www.youtube.com/watch?v=tN7-BYqr_es&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=5
- 5. Parameterization using xml config file, https://www.youtube.com/watch?v=GXO5vB4HqB4&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=6
- 6. @Dataprovider in TestNG, https://www.youtube.com/watch?v=XHLc203LmUk&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=7
- 7. TestNG Listeners, https://www.youtube.com/watch?v=JchmqeNWg-w&list=PLW2TrvplfStfQqgWJmXRTwtspS6RKmtoR&index=8