Faculty of Engineering, Architecture and Science
Department of Electrical and Computer Engineering
Laboratory Report Cover Page

Course Number	COE891
Course Title	Software Testing & QA
Semester/Year	Winter 2023
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Lab/Tutorial Report No.	5

Section No.	012
Group No.	N/A
Submission Date	Mar 9th, 2023
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Q1.

```
1   import org.testng.annotations.Test;
2   public class TestNG_Priority_Annotations {
3           @Test()
4           public void c_method(){
5                   System.out.println("I'm in method C"); }
6           @Test()
7           public void b_method(){
8                   System.out.println("I'm in method B"); }
9           @Test(priority=6)
10          public void a_method(){
11                  System.out.println("I'm in method A"); }
12          @Test(priority=0)
13          public void e_method(){
14                  System.out.println("I'm in method E"); }
15          @Test(priority=6)
16          public void d_method(){
17                  System.out.println("I'm in method D"); }
18  }
```
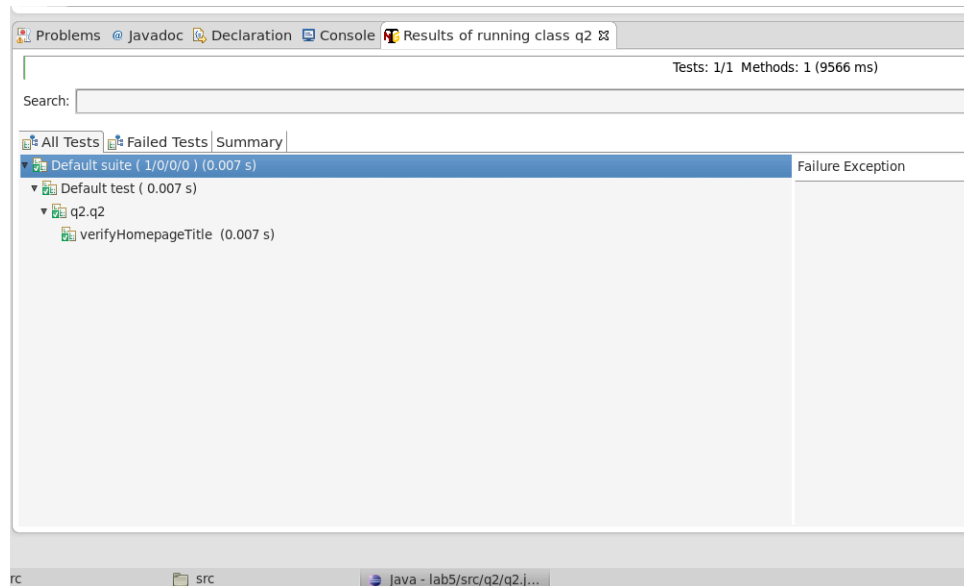
The methods without the priority will run first in alphabetical order based on the method name. Hence, b_method () will run first, then c_method (). Next, due to the priority parameter, the test with lowest priority(= 0) will run first (e_method ()), followed by the increasing priority parameter number. In this case, it will be priority = 6. However, since there are two methods with this, the one thats first alphabetically based on the method name will be called next (a_method()), followed by d_method().

The output flow of the sample code is:

1. b_method : "Im in method B"
2. c_method : "Im in method C"
3. e_method : "Im in method E"
4. a_method : "Im in method A"
5. d_method : "Im in method D"

Q2.

Q3.

Problems @ Javadoc Declaration Console Results of running class q3

Tests: 1/1 Methods: 1 (10012 ms)

Search:

All Tests Failed Tests Summary

▼ Default suite (1/0/0/0) (0.043 s)   Failure Exception
  ▼ Default test (0.043 s)
    ▼ q3.q3
      getTagName (0.043 s)

Q4.

Problems @ Javadoc Declaration Console *Results of running class q4*

Tests: 0/1 Methods: 3

Search:

All Tests Failed Tests Summary

▼ Default suite (3/0/0/0) (0.756 s)   Failure Exception
  ▼ Default test (0.756 s)
    ▼ q4.q4
      clickSecond (0.258 s)
      clickFourth (0.217 s)
      addName (0.281 s)

Q5.

Problems @ Javadoc Declaration Console 🐞 Results of running class q5 ⊠

Tests: 1/1 Methods: 5 (13425 ms)

Search:

All Tests Failed Tests Summary

▼ Default suite (5/0/0/0) (13.231 s) | Failure Exception
  ▼ Default test (13.231 s)
    ▼ q5.q5
      openBrowser (4.681 s)
      launchGoogle (2.773 s)
      performSearchAndClick1stLink (0.074 s)
      FaceBookTitleVerification (4.035 s)
      driverExit (1.668 s)

```
<terminated> q5 [TestNG] /usr/local/jdk1.8.0_172/bin/java (Mar 9, 2023, 4:44:31 PM)
[TestNG] Running:
  /tmp/testng-eclipse--1154408343/testng-customsuite.xml

launching firefox browser
1678398273058   geckodriver     INFO    Listening on 127.0.0.1:11526
1678398273376   mozrunner::runner        INFO    Running command: "/usr/local/bin/firefox" "--marionette" "--remote-debu
1678398273941   Marionette      INFO    Marionette enabled
1678398273945   Marionette      INFO    Listening on port 35129
WebDriver BiDi listening on ws://localhost:29132
Read port: 35129
1678398274436   RemoteAgent     WARN    TLS certificate errors will be ignored for this session
console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("Could not open the file
DevTools listening on ws://localhost:29132/devtools/browser/89732b54-764c-4c06-b989-6edcf14558fa
Opening Google
Searching for 'Facebook'
Retrieving Title..
console.warn: LoginRecipes: "getRecipes: falling back to a synchronous message for:" "https://www.google.com"
The actual title is: Facebook - Google Search
1678398284405   CDP     ERROR   Invalid browser preferences for CDP. Set "fission.webContentIsolationStrategy"to 0 and
1678398284447   Marionette      INFO    Stopped listening on port 35129
PASSED: openBrowser
PASSED: launchGoogle
PASSED: performSearchAndClick1stLink
PASSED: FaceBookTitleVerification
PASSED: driverExit
```

Q6.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite" thread-count="3" parallel="methods">
  <test name="Test">
    <classes>
      <class name="q6.q6"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

Problems @ Javadoc Declaration Console **Results of running class q6**

Tests: 1/1 Methods: 3 (26081 ms)

Search:

All Tests | Failed Tests | Summary

Default suite (3/0/0/0) (25.915 s)   Failure Exception

Default test (25.915 s)

q6.q6

executSessionOne (7.482 s)

executSessionThree (9.399 s)

executSessionTwo (9.034 s)