Security

Hotspot

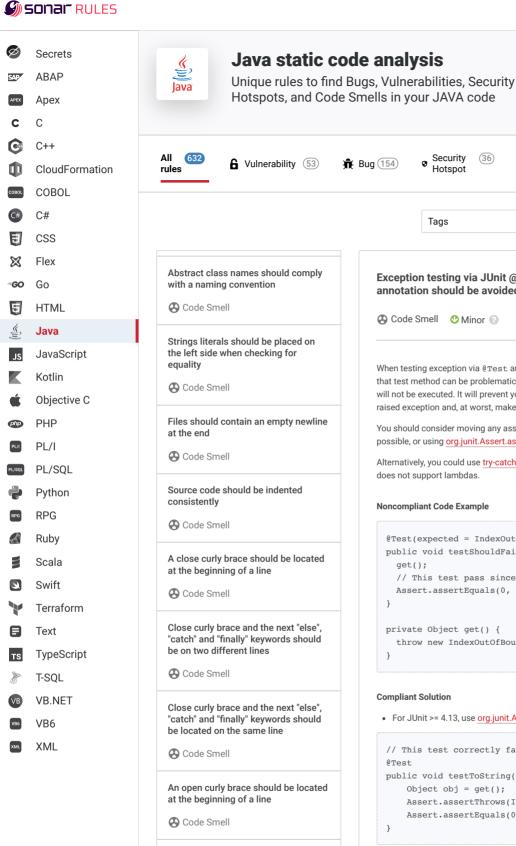
Tags

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An open curly brace should be located

Tabulation characters should not be

Functions should not be defined with a variable number of arguments

at the end of a line Code Smell

Code Smell

Code Smell

used

```
Exception testing via JUnit @Test
                                               Analyze your code
annotation should be avoided
Code Smell ♥ Minor ②
                                 junit tests
When testing exception via @Test annotation, having additional assertions inside
that test method can be problematic because any code after the raised exception
will not be executed. It will prevent you to test the state of the program after the
raised exception and, at worst, make you misleadingly think that it is executed.
You should consider moving any assertions into a separate test method where
possible, or using org.junit.Assert.assertThrows instead.
Alternatively, you could use try-catch idiom for JUnit version < 4.13 or if your project
does not support lambdas.
Noncompliant Code Example
  @Test(expected = IndexOutOfBoundsException.class)
  public void testShouldFail() {
    get();
    // This test pass since execution will never get past this
    Assert.assertEquals(0, 1);
  private Object get() {
    throw new IndexOutOfBoundsException();
Compliant Solution
 • For JUnit >= 4.13, use org.junit.Assert.assertThrows:
  // This test correctly fails.
  public void testToString() {
      Object obj = get();
      Assert.assertThrows(IndexOutOfBoundsException.class, ()
      Assert.assertEquals(0, 1);
```

• For JUnit < 4.13, use the try-catch idiom:

public void testShouldFail() { Object obj = get();

obj.toString();

} catch (IndexOutOfBoundsException e) {} Assert.assertEquals(0, 1); // Correctly fails.

Assert.fail("Expected an IndexOutOfBoundsException t

@Test

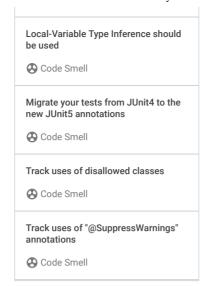
try {

⊗ Code

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See

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