Java static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVA code

Abstract class names should comply with a naming convention
Code Smell

Strings literals should be placed on the left side when checking for equality
Code Smell

Files should contain an empty newline at the end
Code Smell

Source code should be indented consistently
Code Smell

A close curly brace should be located at the beginning of a line
Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be on two different lines
Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be located on the same line
Code Smell

An open curly brace should be located at the beginning of a line
Code Smell

An open curly brace should be located at the end of a line
Code Smell

Tabulation characters should not be used
Code Smell

Functions should not be defined with a variable number of arguments
Code Smell

"private" methods called only by inner classes should be moved to those classes

Analyze your code

Code Smell Minor confusing

When a `private` method is only invoked by an inner class, there's no reason not to move it into that class. It will still have the same access to the outer class' members, but the outer class will be clearer and less cluttered.

Noncompliant Code Example

```
public class Outie {
  private int i=0;

  private void increment() {  // Noncompliant
    i++;
  }

  public class Innie {
    public void doTheThing() {
      Outie.this.increment();
    }
  }
}
```

Compliant Solution

```
public class Outie {
  private int i=0;

  public class Innie {
    public void doTheThing() {
      increment();
    }

    private void increment() {
      Outie.this.i++;
    }
  }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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Local-Variable Type Inference should be used

Code Smell

Migrate your tests from JUnit4 to the new JUnit5 annotations

Code Smell

Track uses of disallowed classes

Code Smell

Track uses of "@SuppressWarnings" annotations

Code Smell