

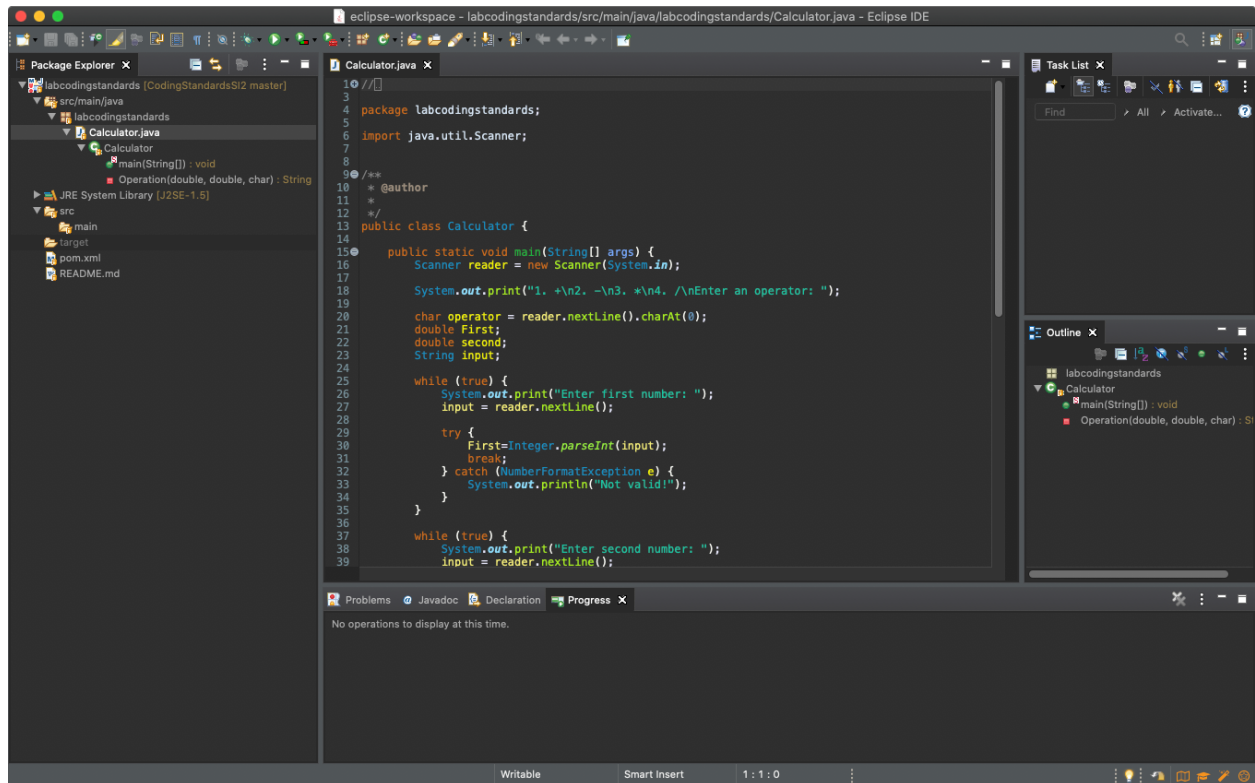


Coding Standards Lab

Software Engineering II

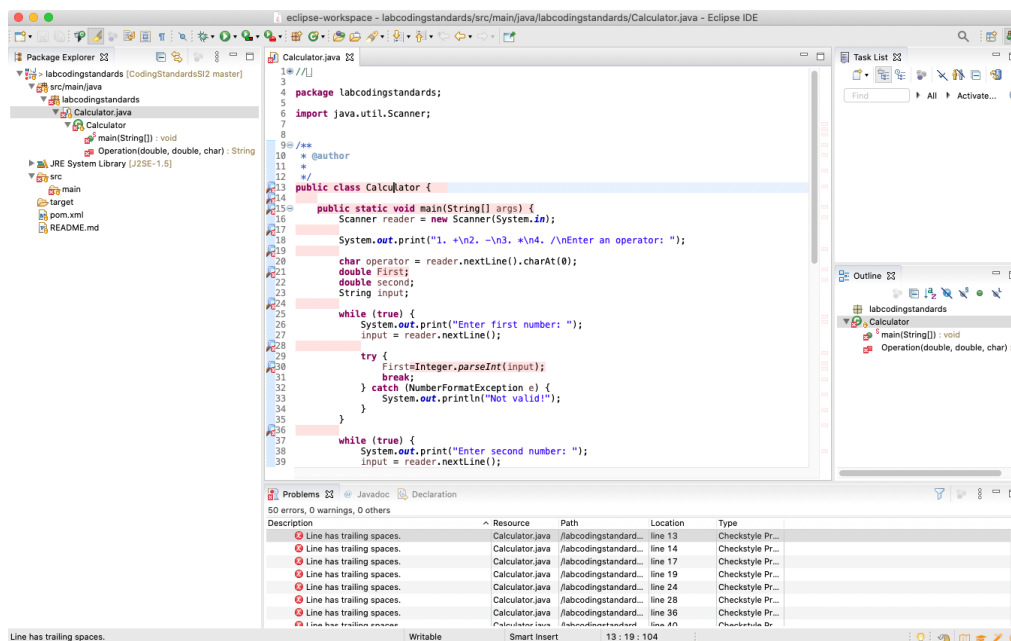
Piero Marcelo Ulloa Mora
Thursday, June 18 2020

Part I

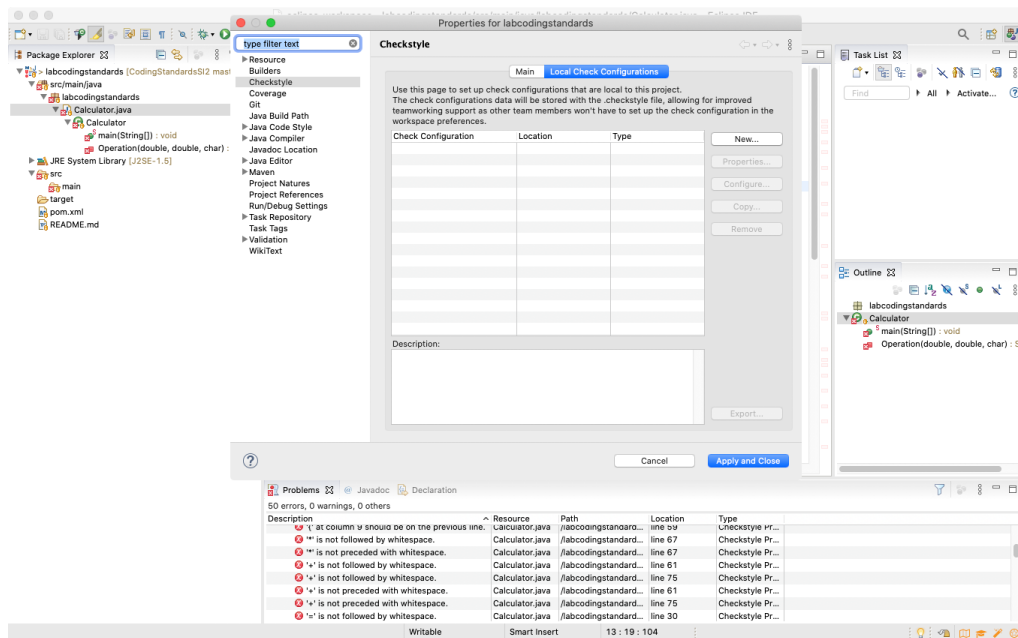


Here we have successfully cloned the project

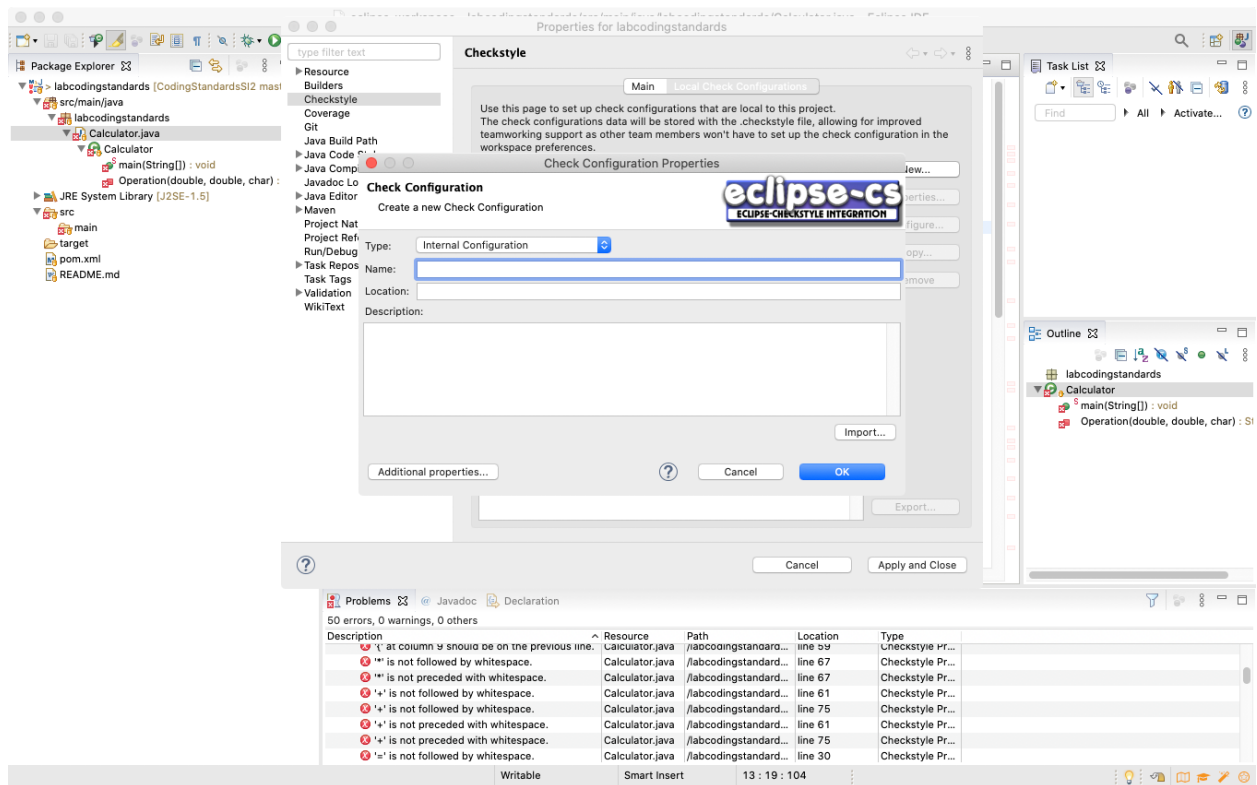
Part II



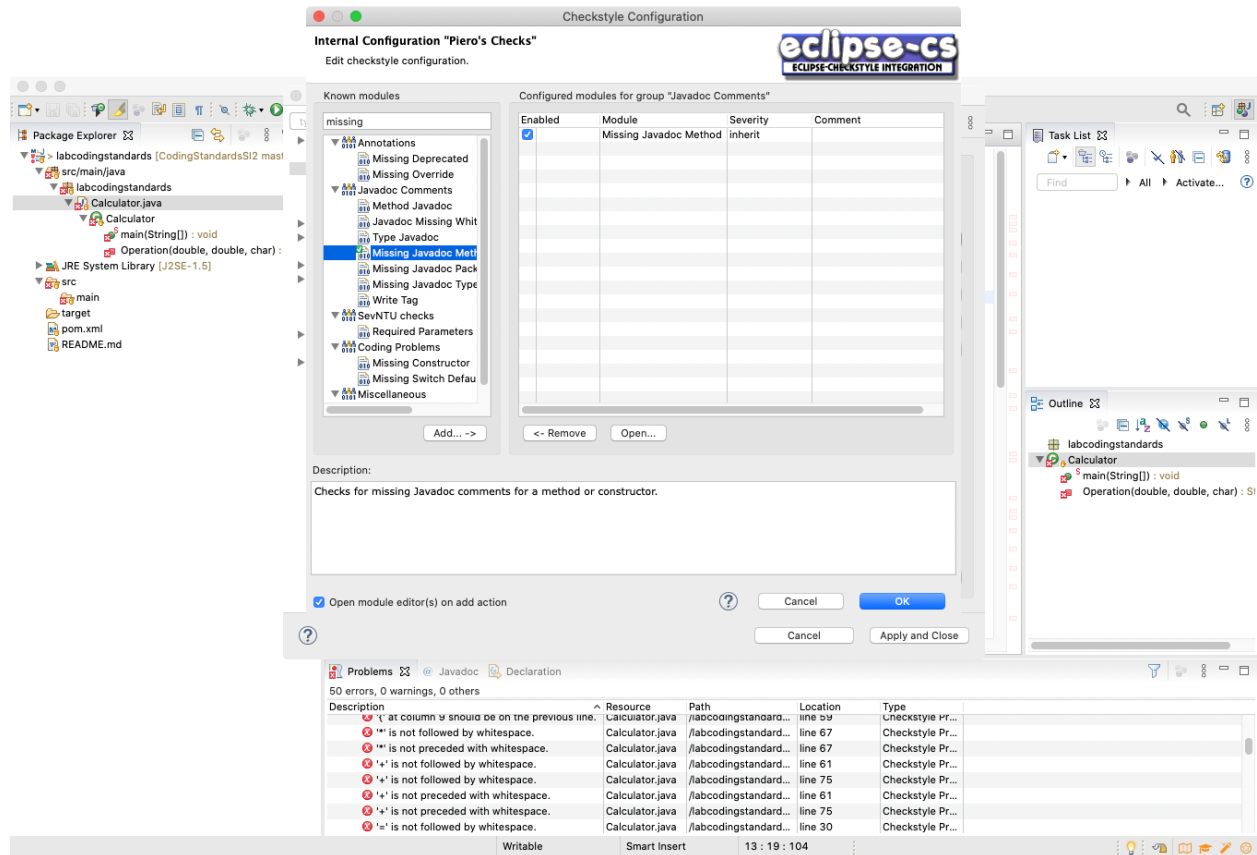
Here, after activating CheckStyle, looks like CheckStyle hates our code.



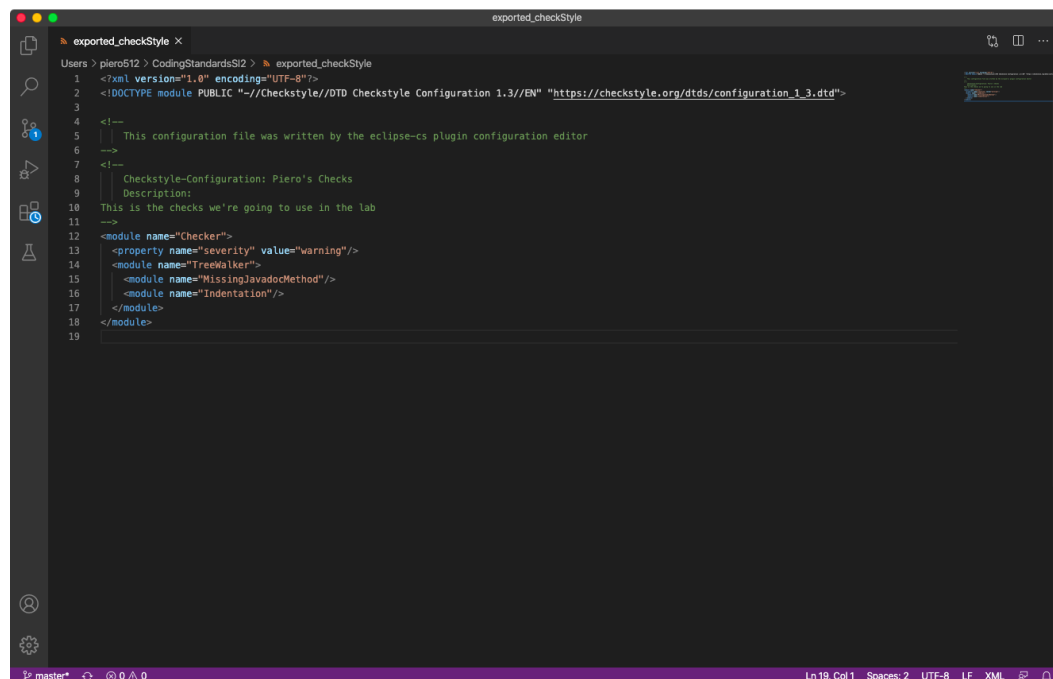
Now, I've created a checkstyle config with the tasks asked



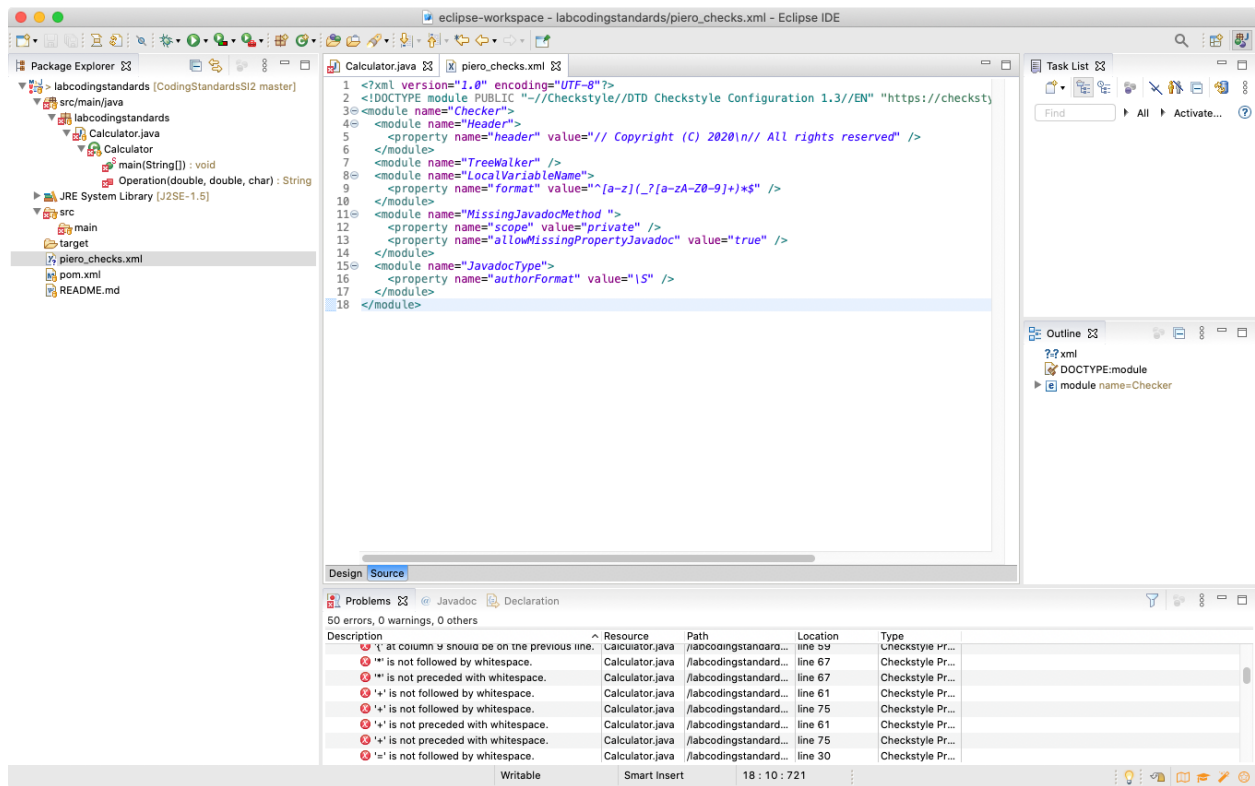
Creating the configuration for CheckStyle



Adding the checks



Here, we exported our config to XML successfully.



Here we're formatting our code using the different checks

The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'labcodingstandards' with a file 'Calculator.java'. The main editor displays the 'Checkstyle Configuration' dialog for the module 'Suppression Comment Filter'. The dialog has tabs for 'General' and 'Advanced'. The 'General' tab is active, showing properties for the module. The 'offCommentFormat' is set to 'CHECKSTYLE:OFF'. The 'onCommentFormat' is set to 'CHECKSTYLE:ON'. The 'checkFormat' is set to '*'. The 'messageFormat' is set to 'Input a test string here'. The 'idFormat' is set to 'Input a test string here'. The 'checkCPP' and 'checkC' checkboxes are checked. The 'Translate tokens' checkbox is checked. The 'Sort tokens' checkbox is unchecked. The 'Description' field contains the following text:

Filter SuppressionCommentFilter uses pairs of comments to suppress audit events.
 Rationale: Sometimes there are legitimate reasons for violating a check. When this is a matter of the code in question and not personal preference, the best place to override the policy is in the code itself. Semi-structured comments can be associated with the check. This is sometimes superior to a separate suppressions file, which must be kept up-to-date as the source file is edited.

Below the dialog, a table lists the suppressed warnings:

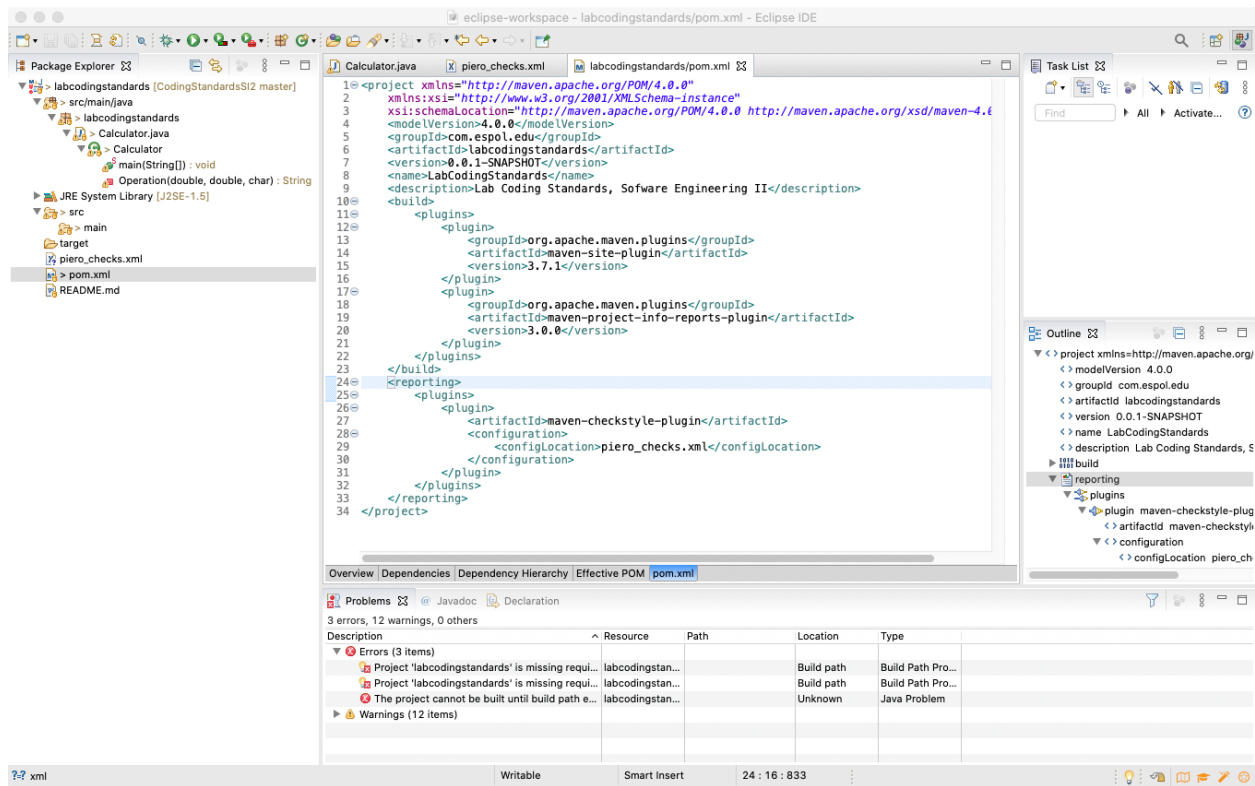
Description	Resource	Path	Location	Type
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 30	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 67	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 67	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 61	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 75	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 61	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 75	Checkstyle Pr...
'*' is not followed by whitespace.	Calculator.java	/labcodingstandards...	line 30	Checkstyle Pr...

At the bottom, the code editor shows the following code snippet:

```

12  */
13  public class Calculator {
14  //CHECKSTYLE:OFF
15  public static void main(String[] args) {
16  //CHECKSTYLE:ON
  
```

We're finally able to disable warnings in sections of code!



We added our code_checks to the maven file so every time we build the project we can generate a report of code coverage

First Report

LabCodingStandards
Last Published: 2020-06-18 | Version: 0.0.1-SNAPSHOT

Checkstyle Results

The following document contains the results of Checkstyle 8.29 with piero_checks.xml ruleset.

Summary

Files	Info	Warnings	Errors
1	0	0	5

Files

File	I	W	E
labcodingstandards/Calculator.java	0	0	5

Rules

Category	Rule	Violations	Severity
header	Header • header 1: // Copyright (C) 2020 2: // All rights reserved	1	Error

This is the first report with our rules.

Final Report

LabCodingStandards - Checkstyle

file:///Users/piero512/git/CodingStandardsSi2/reports/after-fixes/checkstyle.html

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LabCodingStandards

Last Published: 2020-06-18 | Version: 0.0.1-SNAPSHOT

Project Documentation
Project Information
Project Reports
Checkstyle

Built by:

Checkstyle Results

The following document contains the results of Checkstyle 8.29 with piero_checks.xml ruleset.

Summary

Files	Info	Warnings	Errors
1	0	0	0

Files

File	I	W	E
------	---	---	---

Rules

Category	Rule	Violations	Severity
----------	------	------------	----------

Details

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This is the now empty report which was generated because our code was finally clean and in style!