ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL
FACULTAD DE INGENIERÍA EN ELECTRICIDAD Y COMPUTACIÓN
INGENIERÍA DE SOFTWARE II 2021-I

LAB REPORT

CODING STANDARDS

GROUP#4

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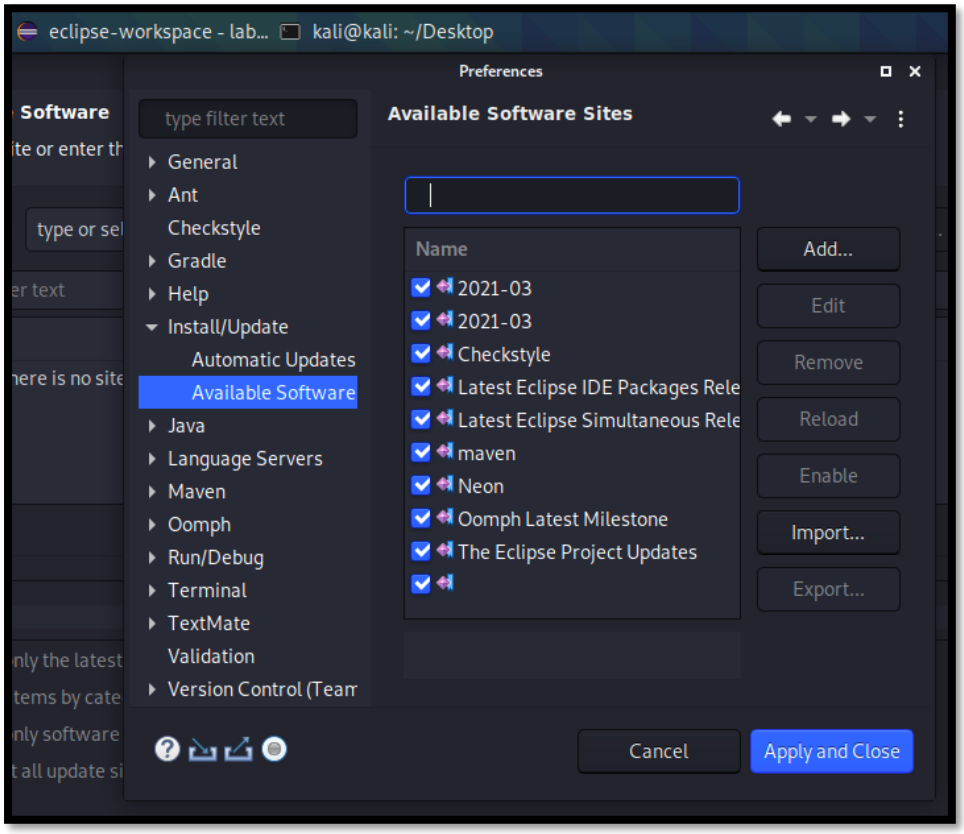
- Tomalá Vera Luis Adrián
- Zambrano Zurita Lessette Carolina

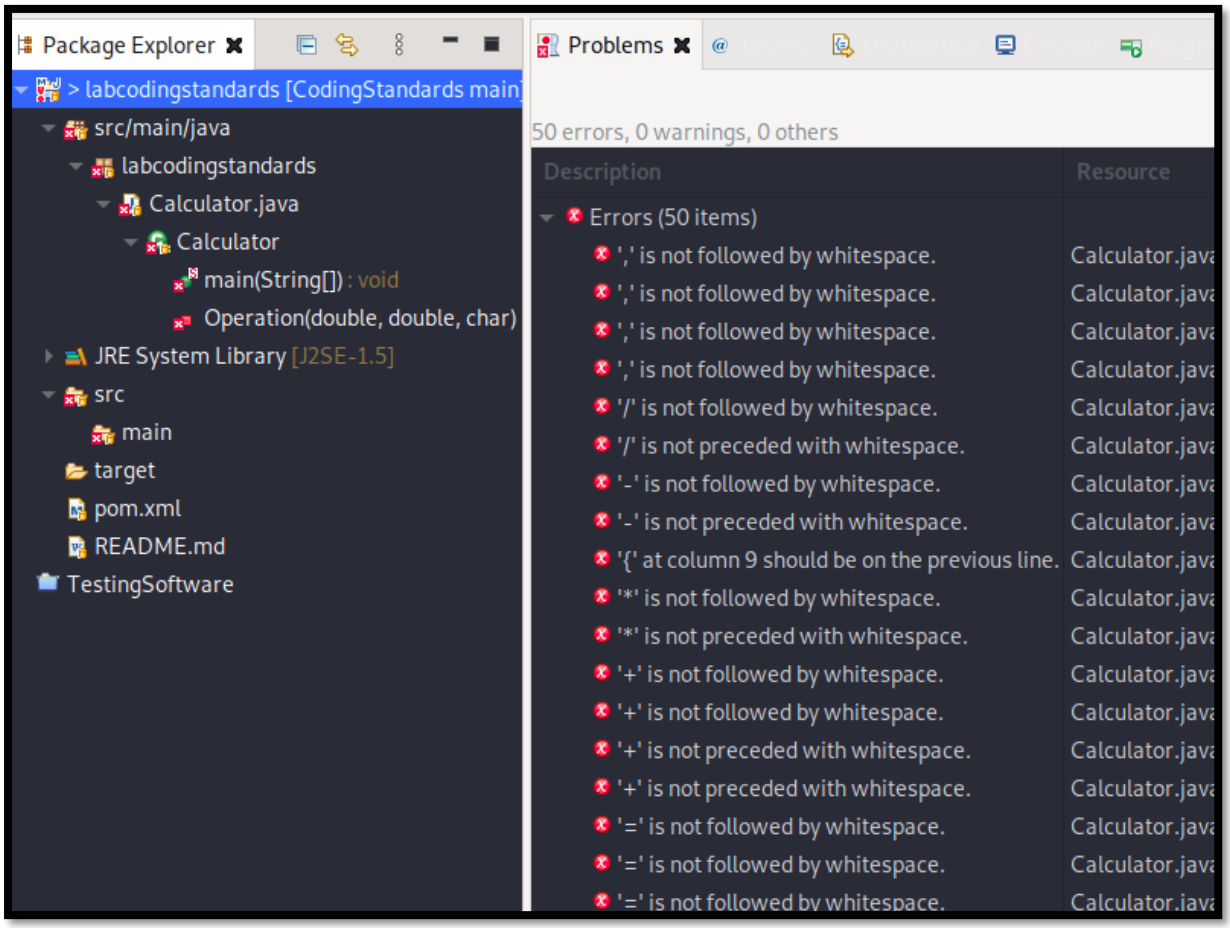
PART 1 – 2

Having Maven and Checkstyle installed.



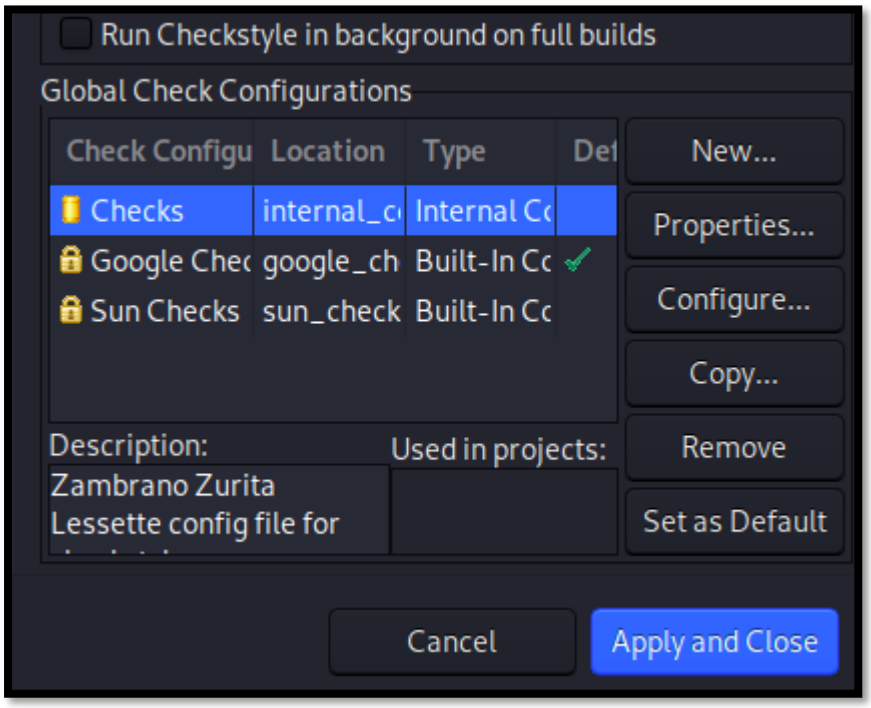
Part 3

Default Errors (without rules)



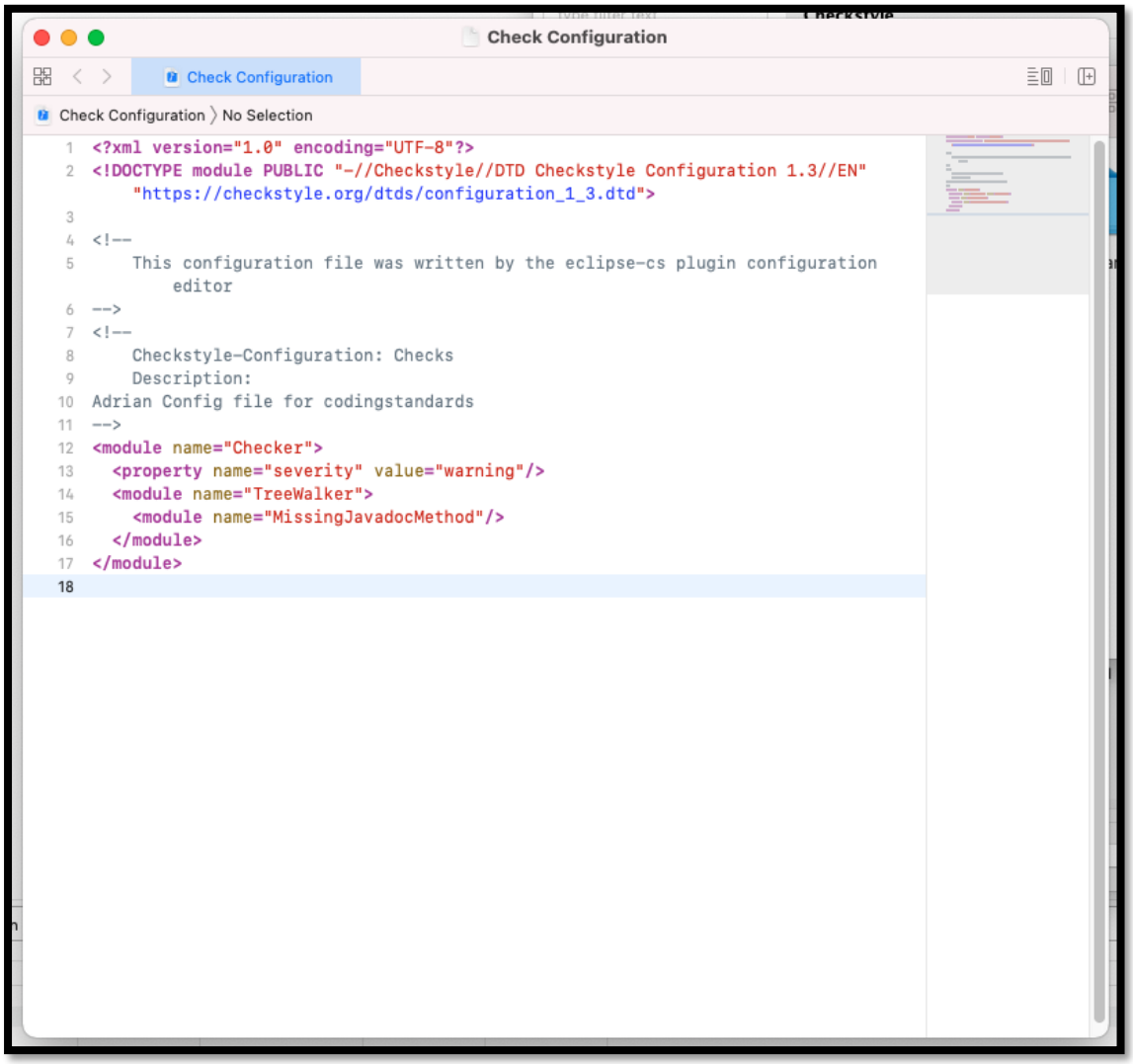
PART 4

Defining rules



```
Archivo  Edición  Formato  Ver  Ayuda
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE module PUBLIC "-//Checkstyle//DTD Checkstyle Configuration 1.3//EN" "https://checkstyle.org/dtds/configuration_1_3.dtd">

<!--
    This configuration file was written by the eclipse-cs plugin configuration editor
-->
<!--
    Checkstyle-Configuration: Checks
    Description: none
-->
<module name="Checker">
  <property name="severity" value="warning"/>
  <module name="TreeWalker">
    <module name="MissingJavadocMethod"/>
    <module name="SuppressionCommentFilter"/>
    <module name="Indentation"/>
  </module>
<!--Oscar Guaman-->
</module>
```

PART 5



PART 6

Complete with headers rules

_checks.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE module PUBLIC
  "-//Checkstyle//DTD Checkstyle Configuration 1.3//EN"
  "https://checkstyle.org/dtds/configuration_1_3.dtd">
<!-- ADRIAN TOMALA -->
<module name="Checker">
    <module name="Header">
        <property name="header" value="// Copyright (C) 2020\n// All rights reserved"/>
    </module>
    <module name="TreeWalker">
        <module name="LocalVariableName">
            <property name="format" value="^[a-z](_?[a-zA-Z0-9]+)*$" />
        </module>
        <module name="MissingJavadocMethod ">
            <property name="scope" value="private"/>
            <property name="allowMissingPropertyJavadoc" value="true" />
        </module>
        <module name="JavadocType">
            <property name="authorFormat" value="\S" />
        </module>
    </module>
</module>
```

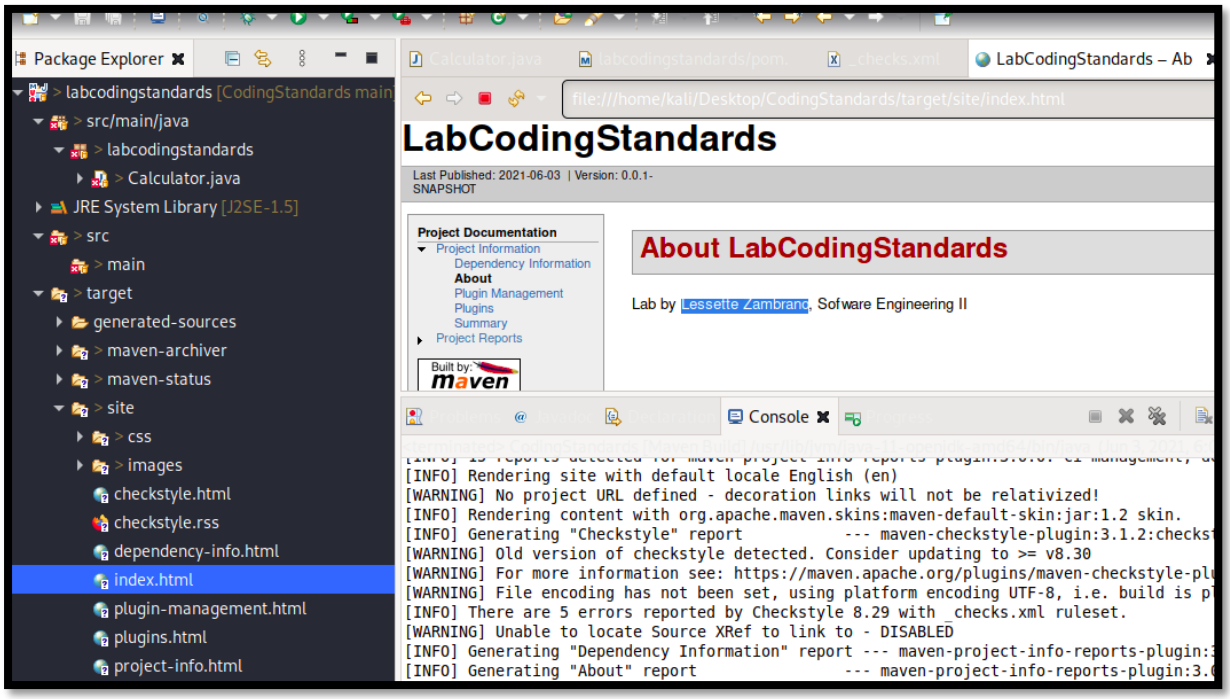
PART 7

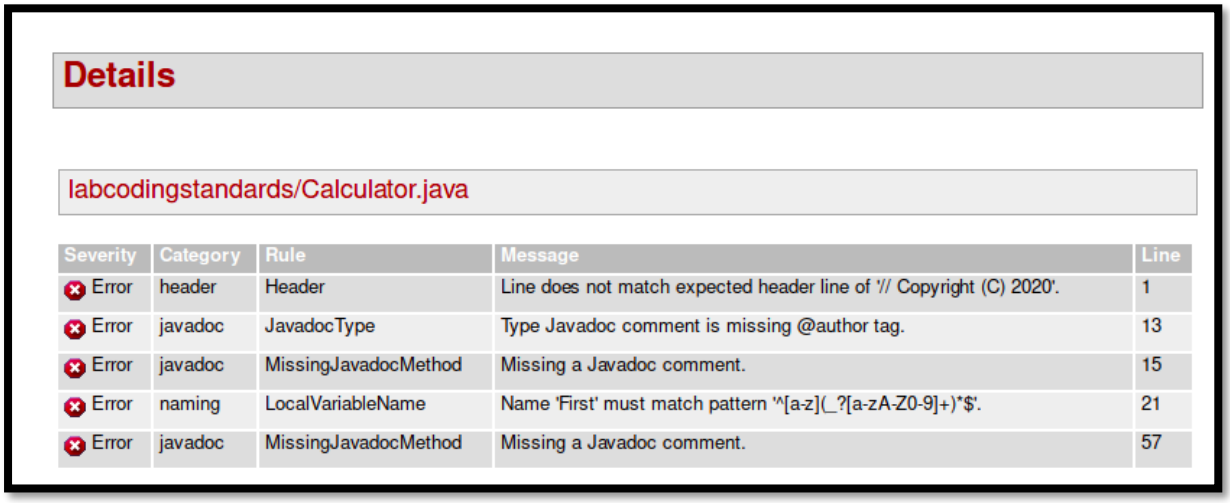
Supressing Checkstyle Tests

```
public class Calculator {
    //CHECKSTYLE:OFF
    public static void main(String[] args) {
        Scanner reader = new Scanner(System.in);

        System.out.print("1. +\n2. -\n3. *\n4. /\nEnter an operator: ");

        char operator = reader.nextLine().charAt(0);
        double First;
        double second;
        String input;
```

PART 8

Running MAVEN BUILD- Generated Resources ZAMBRANO LESSETTE



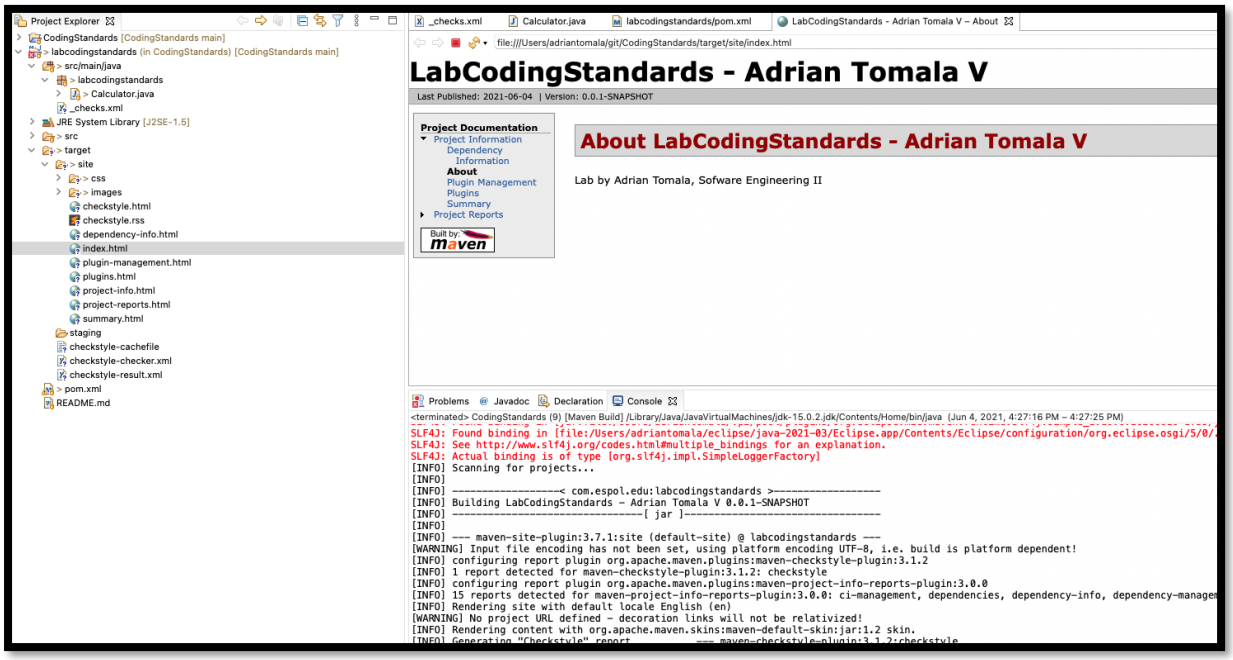


Details

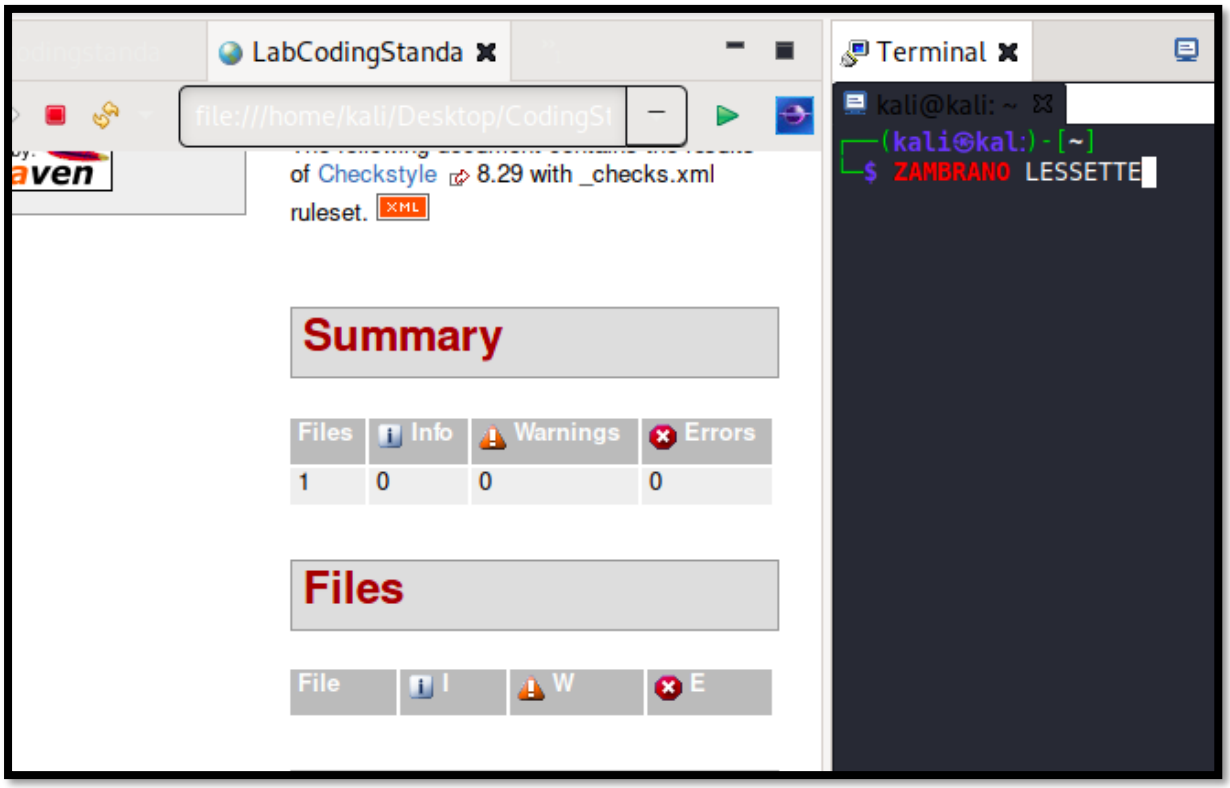
labcodingstandards/Calculator.java

Severity	Category	Rule	Message	Line
Error	header	Header	Line does not match expected header line of '// Copyright (C) 2020'.	1
Error	javadoc	JavadocType	Type Javadoc comment is missing @author tag.	13
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	15
Error	naming	LocalVariableName	Name 'First' must match pattern '^[a-z](_?[a-zA-Z0-9]+)*$'.	21
Error	javadoc	MissingJavadocMethod	Missing a Javadoc comment.	57

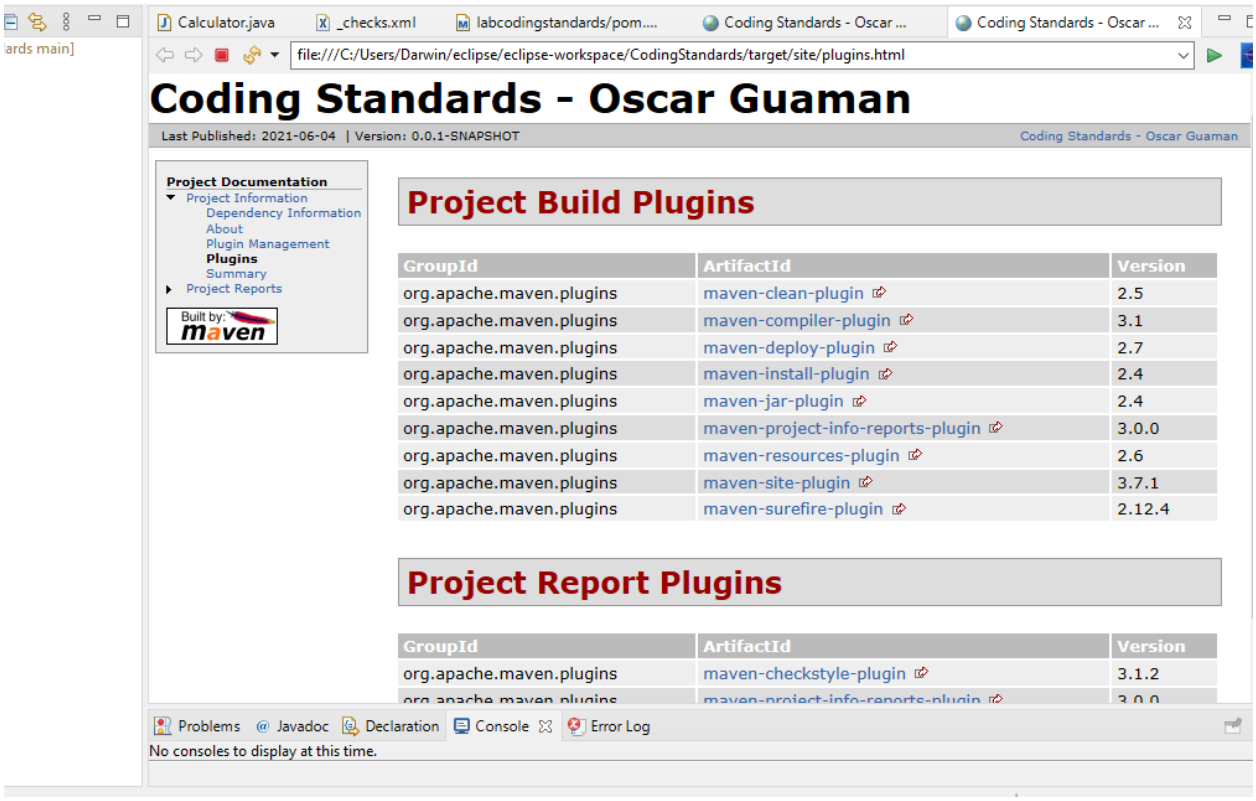
Running MAVEN BUILD- Generated Resources TOMALA ADRIAN

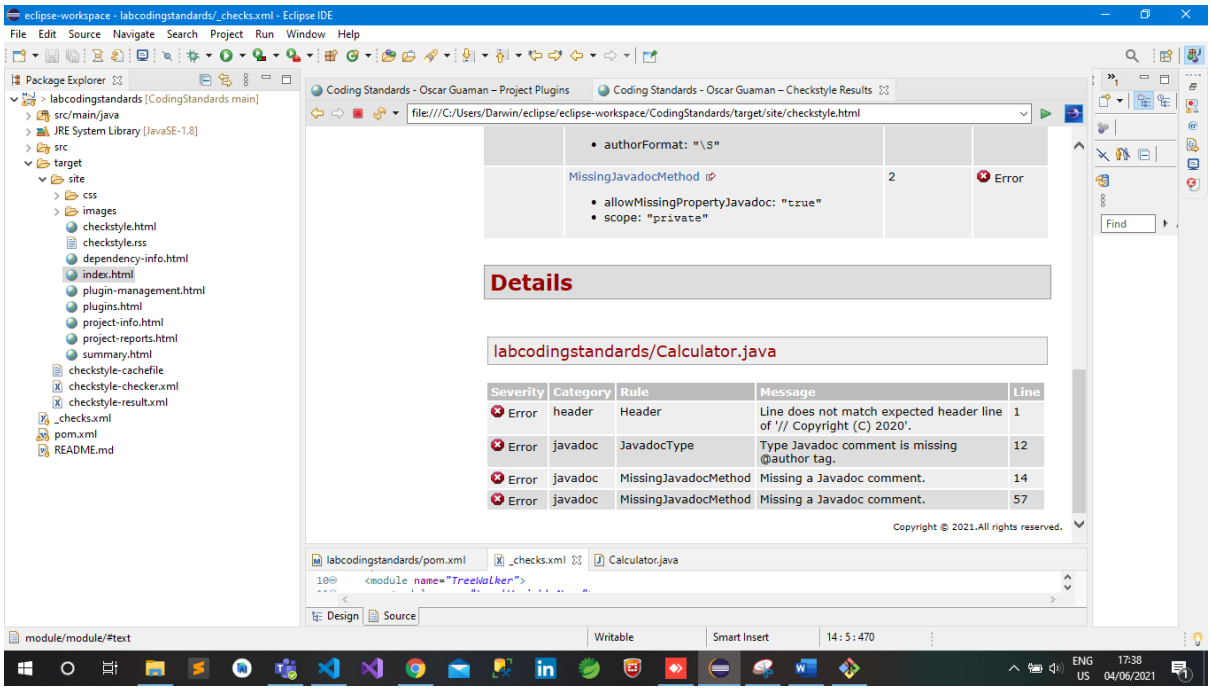
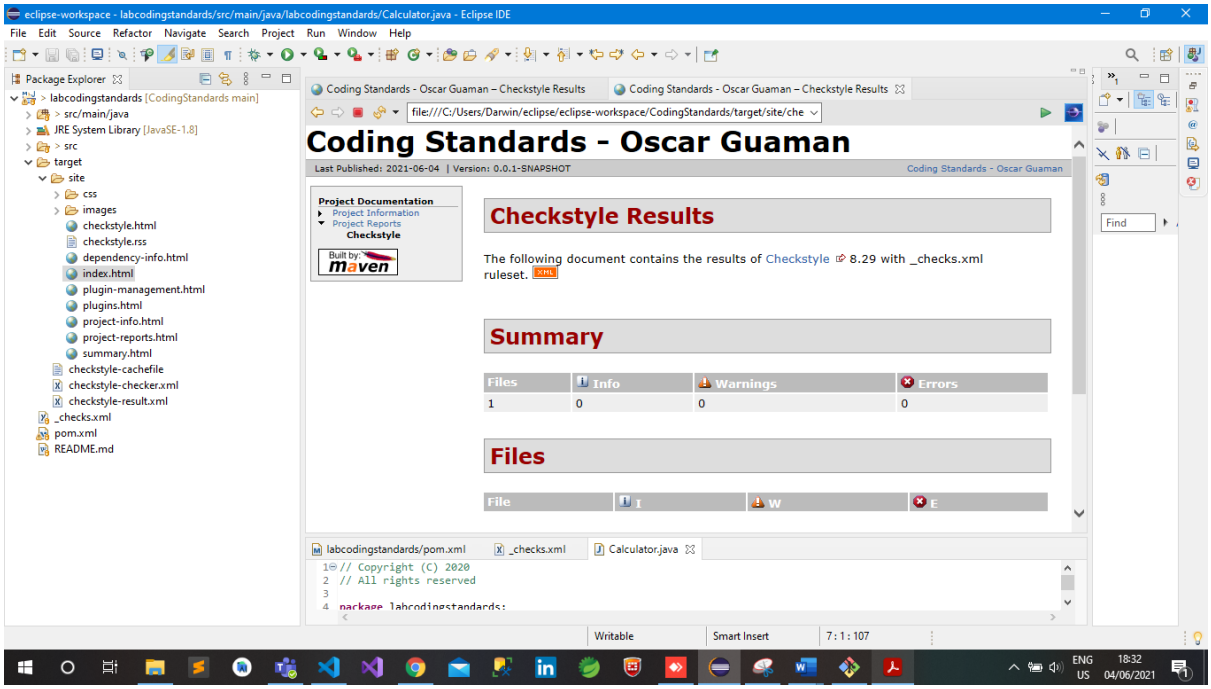


Checkstyle report without erros ZAMBRANO LESSETTE


LabCodingStanda
file:///home/kali/Desktop/CodingSt
of Checkstyle 8.29 with _checks.xml
ruleset.
XML
Summary
Files
Info
Warnings
Errors
1
0
0
0
Files
File
I
W
E
Terminal
kali@kali: ~
(kali㉿kal.)-[~]
$ ZAMBRANO LESSETTE

With errors.


Calculator.java
_checks.xml
labcodingstandards/pom....
Coding Standards - Oscar ...
Coding Standards - Oscar ...
file:///C:/Users/Darwin/eclipse/eclipse-workspace/CodingStandards/target/site/plugins.html
Coding Standards - Oscar Guaman
Last Published: 2021-06-04 | Version: 0.0.1-SNAPSHOT
Coding Standards - Oscar Guaman
Project Documentation
Project Information
Dependency Information
About
Plugin Management
Plugins
Summary
Project Reports
Built by: maven
Project Build Plugins
GroupId
ArtifactId
Version
org.apache.maven.plugins
maven-clean-plugin
2.5
org.apache.maven.plugins
maven-compiler-plugin
3.1
org.apache.maven.plugins
maven-deploy-plugin
2.7
org.apache.maven.plugins
maven-install-plugin
2.4
org.apache.maven.plugins
maven-jar-plugin
2.4
org.apache.maven.plugins
maven-project-info-reports-plugin
3.0.0
org.apache.maven.plugins
maven-resources-plugin
2.6
org.apache.maven.plugins
maven-site-plugin
3.7.1
org.apache.maven.plugins
maven-surefire-plugin
2.12.4
Project Report Plugins
GroupId
ArtifactId
Version
org.apache.maven.plugins
maven-checkstyle-plugin
3.1.2
Problems
Javadoc
Declaration
Console
Error Log
No consoles to display at this time.



Without errors