

# Software Engineering II

Paralell 1

## Coding Standars



- Alvarez Alvarado Edmundo
- Durango David
- Loor Porro Renzo
- Parra Tarira Efrén

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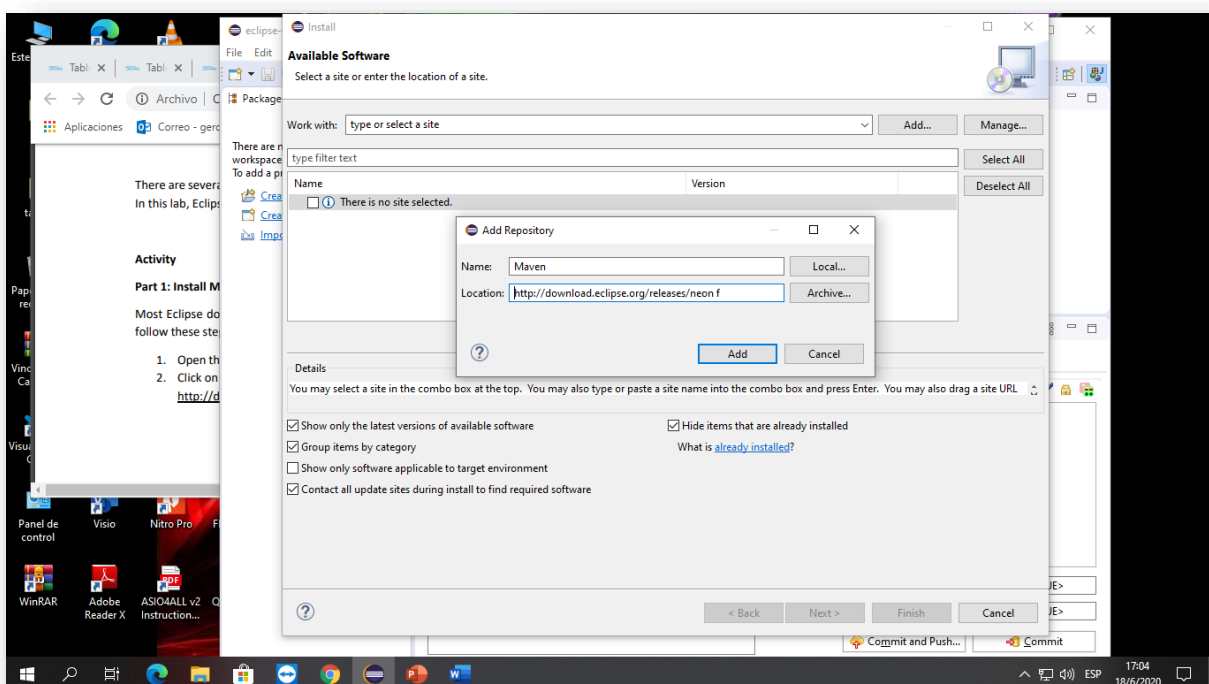
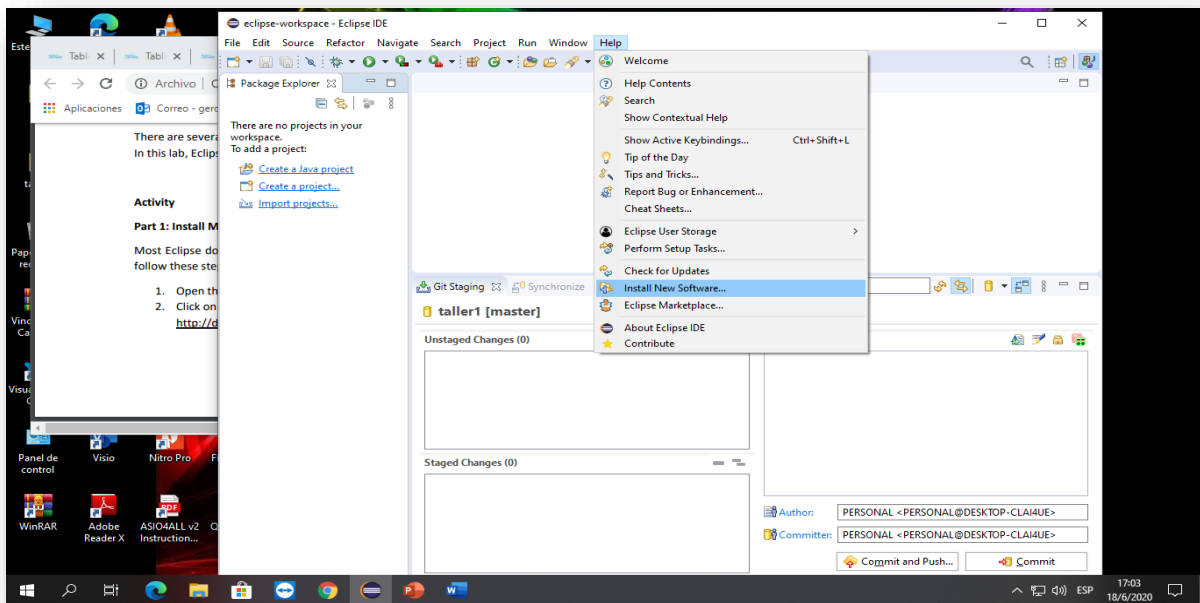
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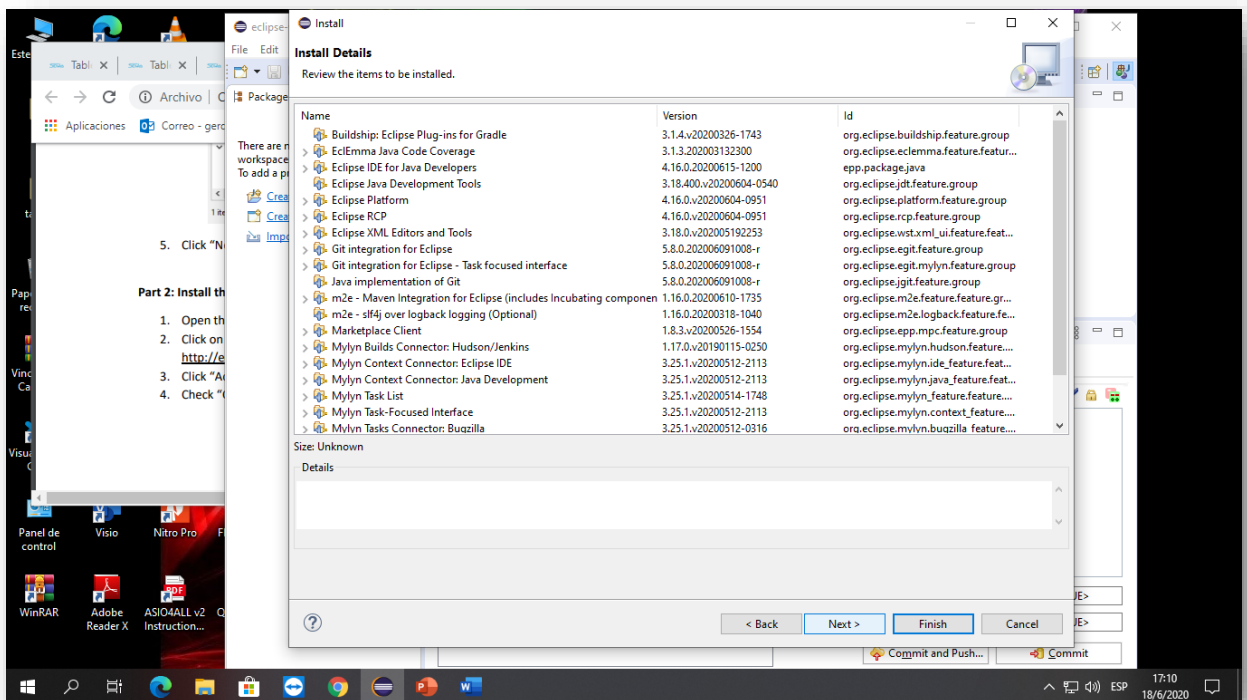
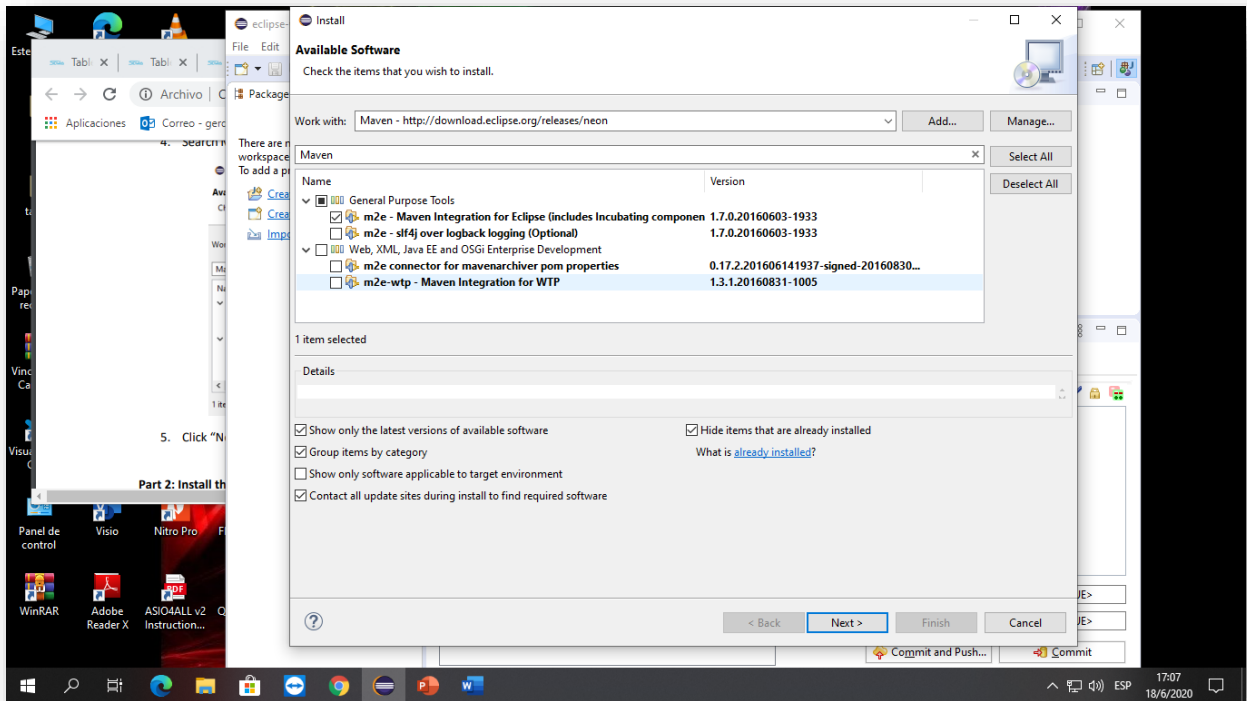
# Screenshots of the process

2

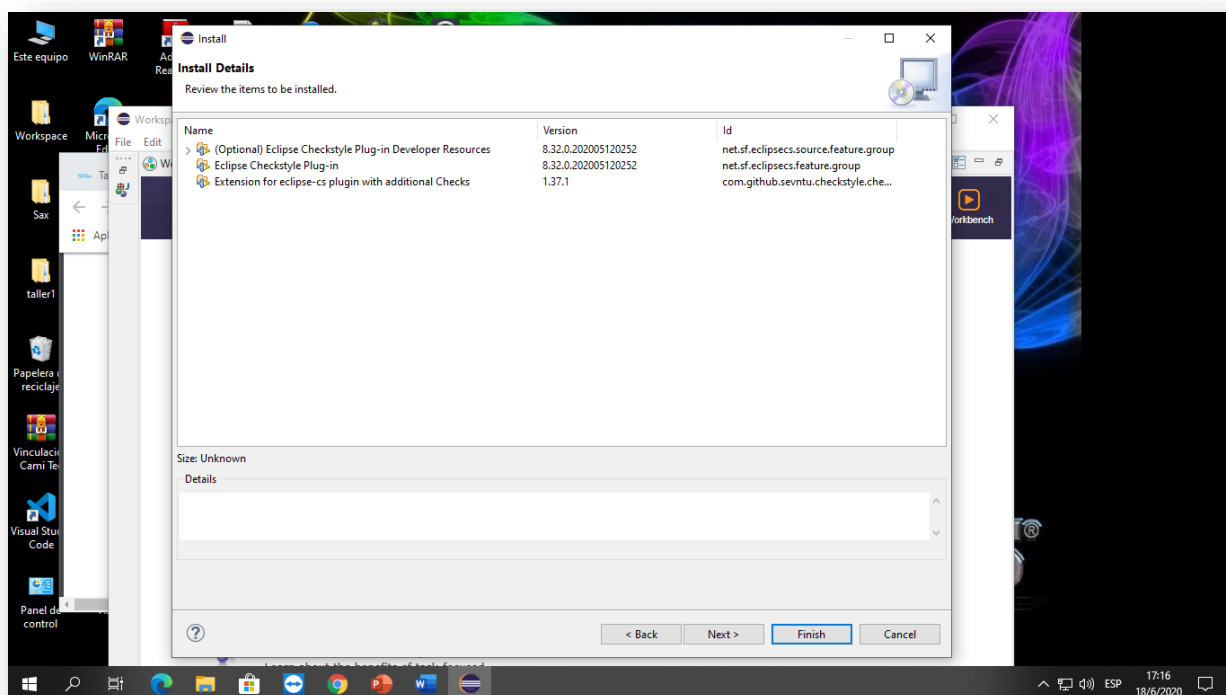
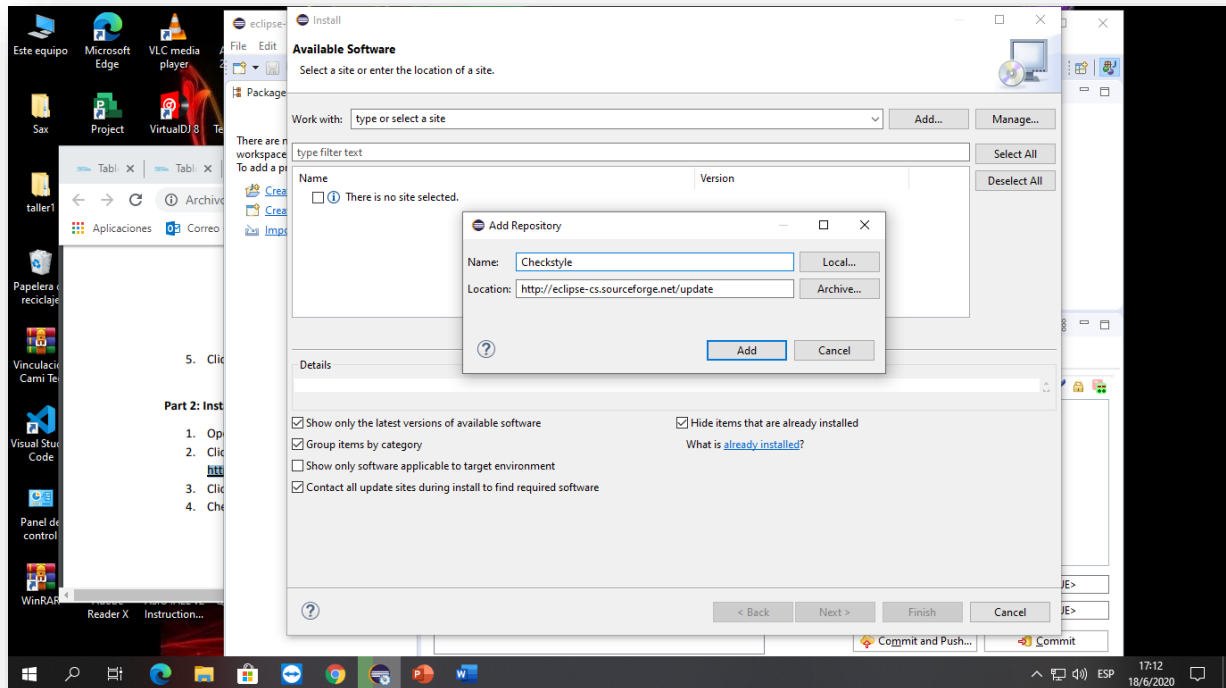
## CONFIGURATION OF THE TOOL AND WRITING OF THE ADDITIONAL CODE STEP BY STEP.

### Part 1: Install Maven for Eclipse.

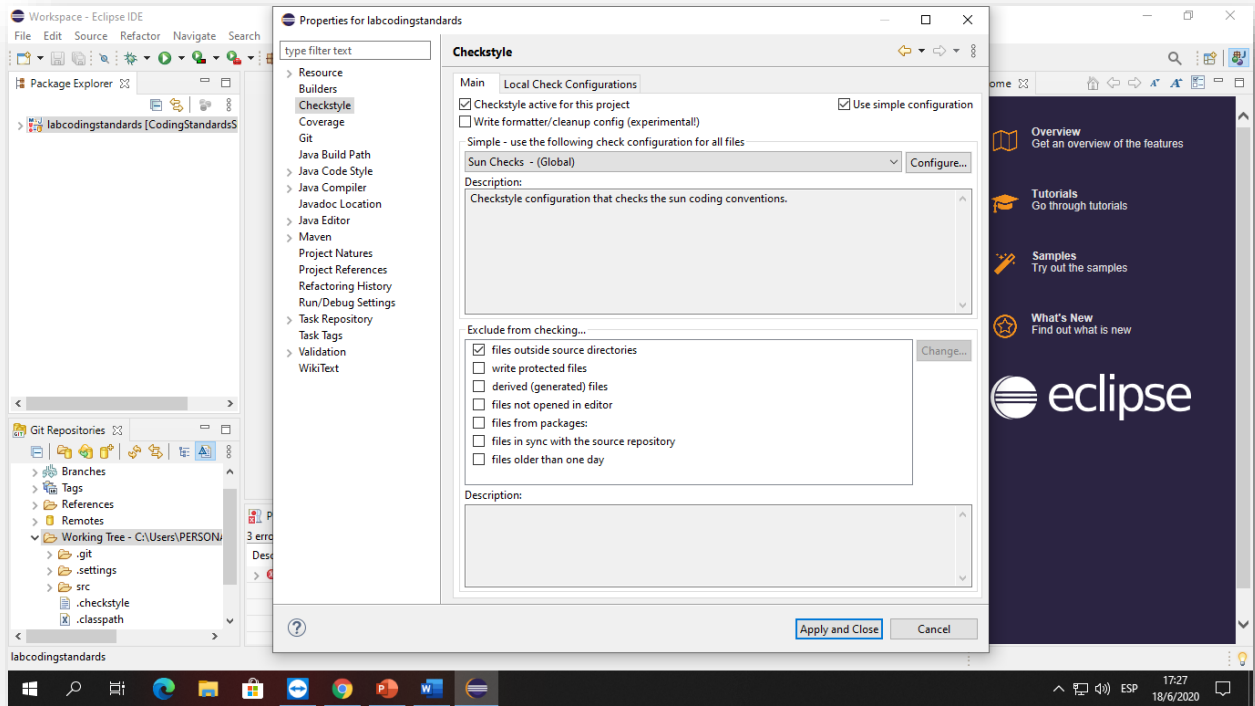




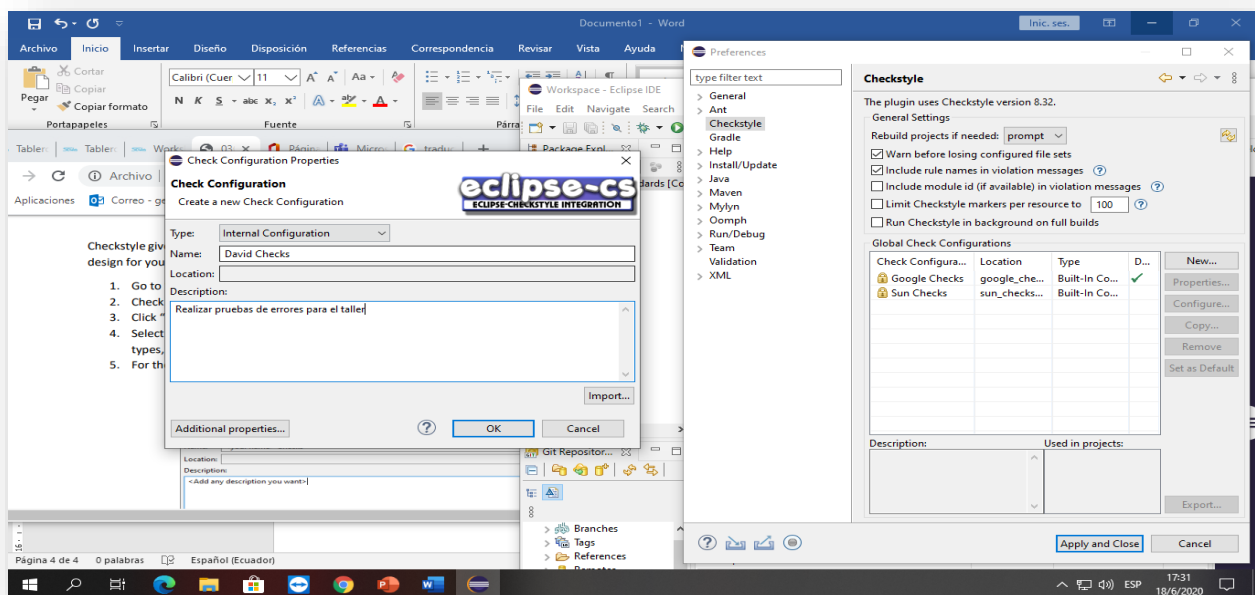
## Part 2: Install the Eclipse Checkstyle plug-in

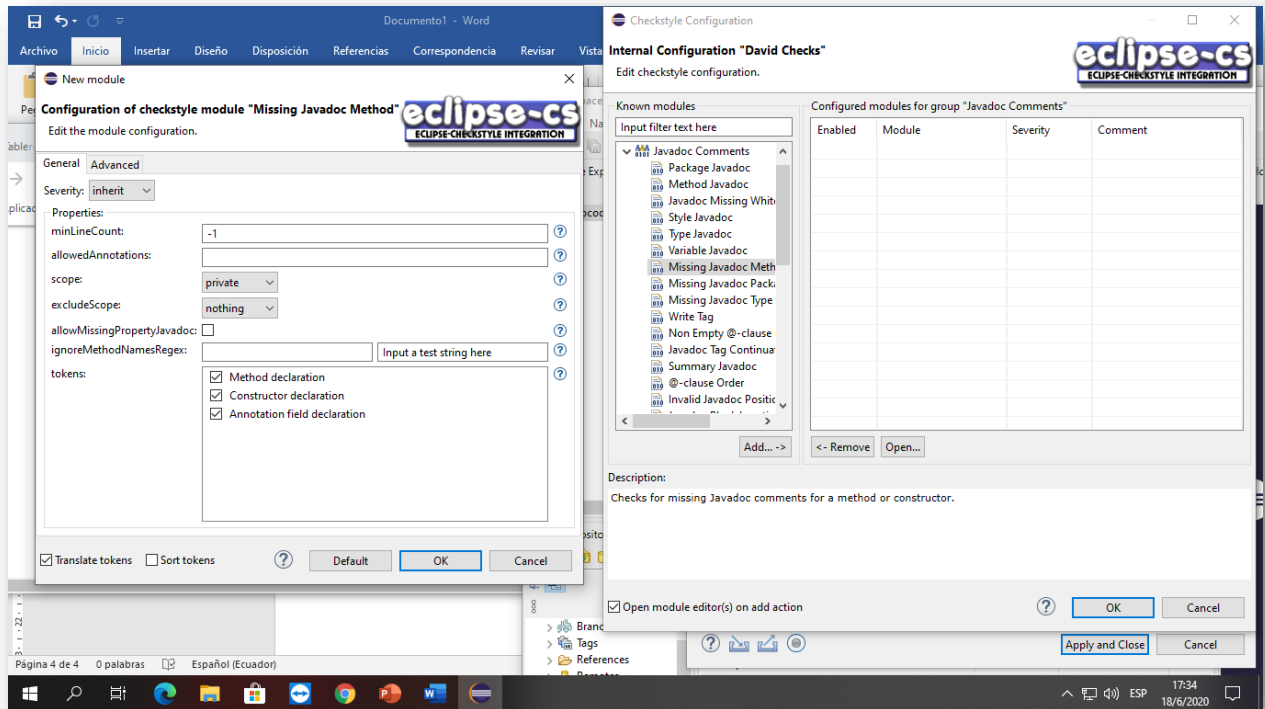


## Part 3: Download and configure the project

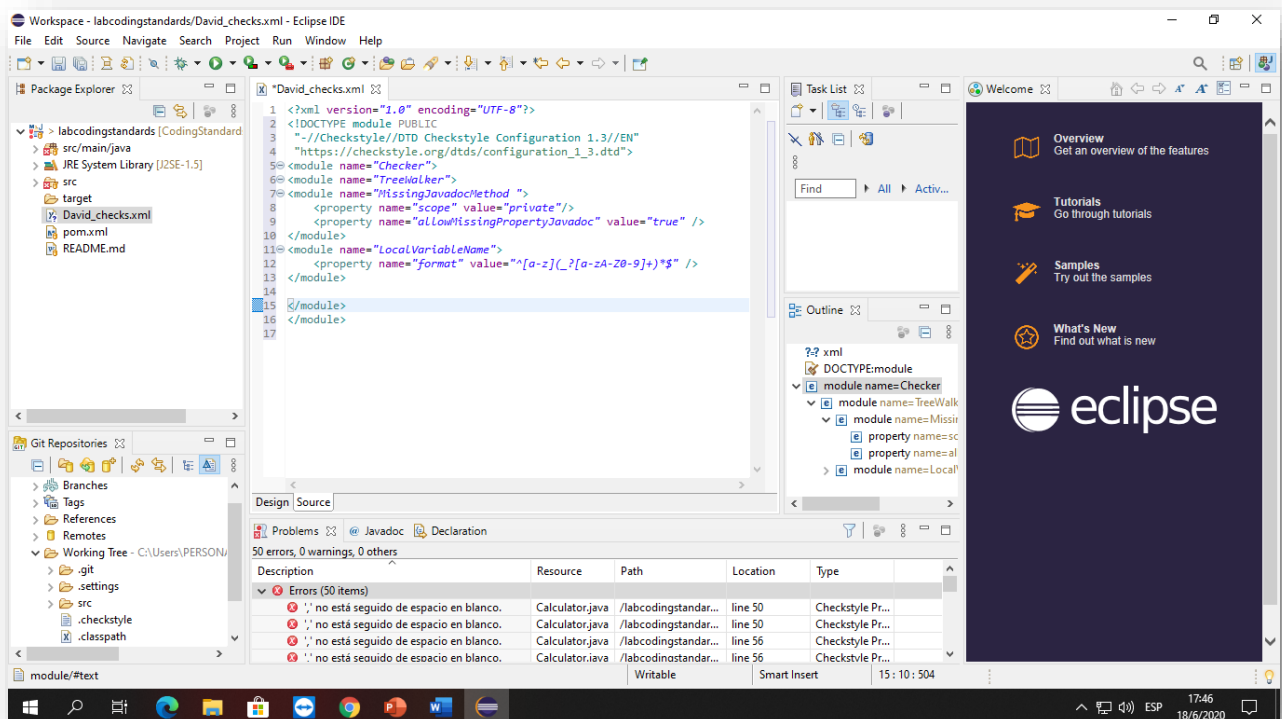


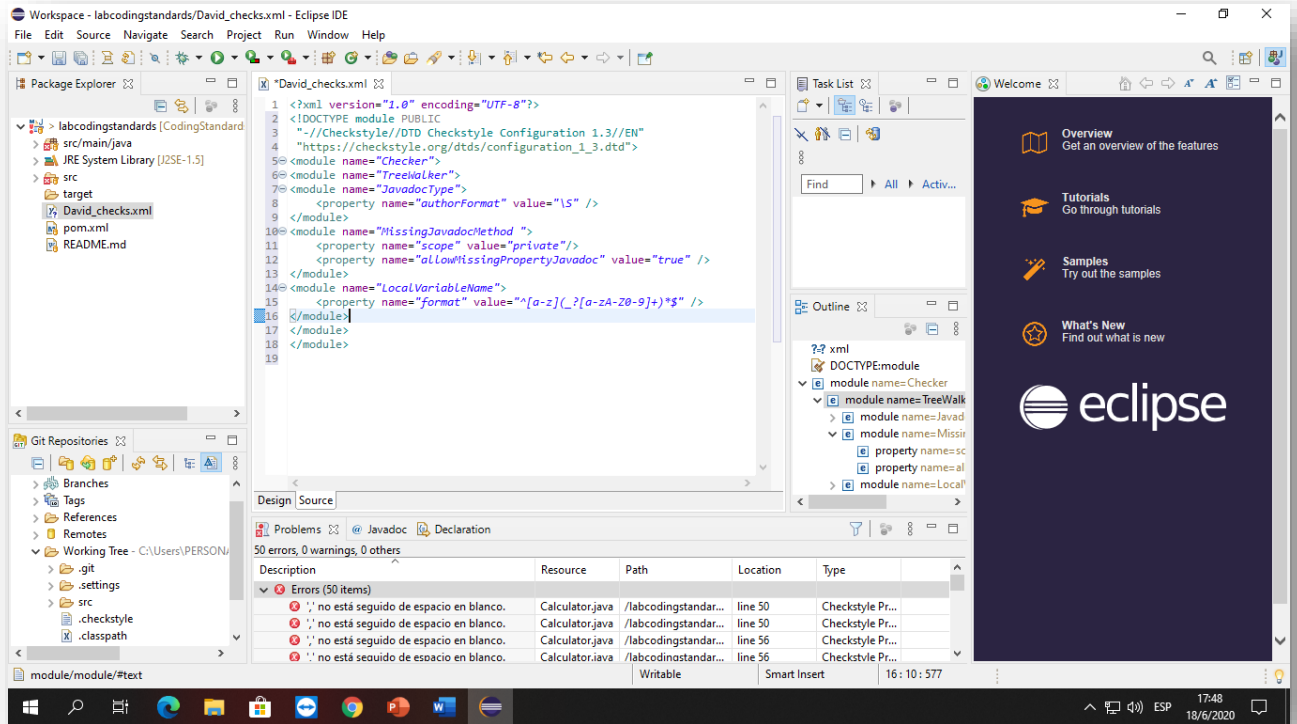
## Part 4: Configure Checkstyle





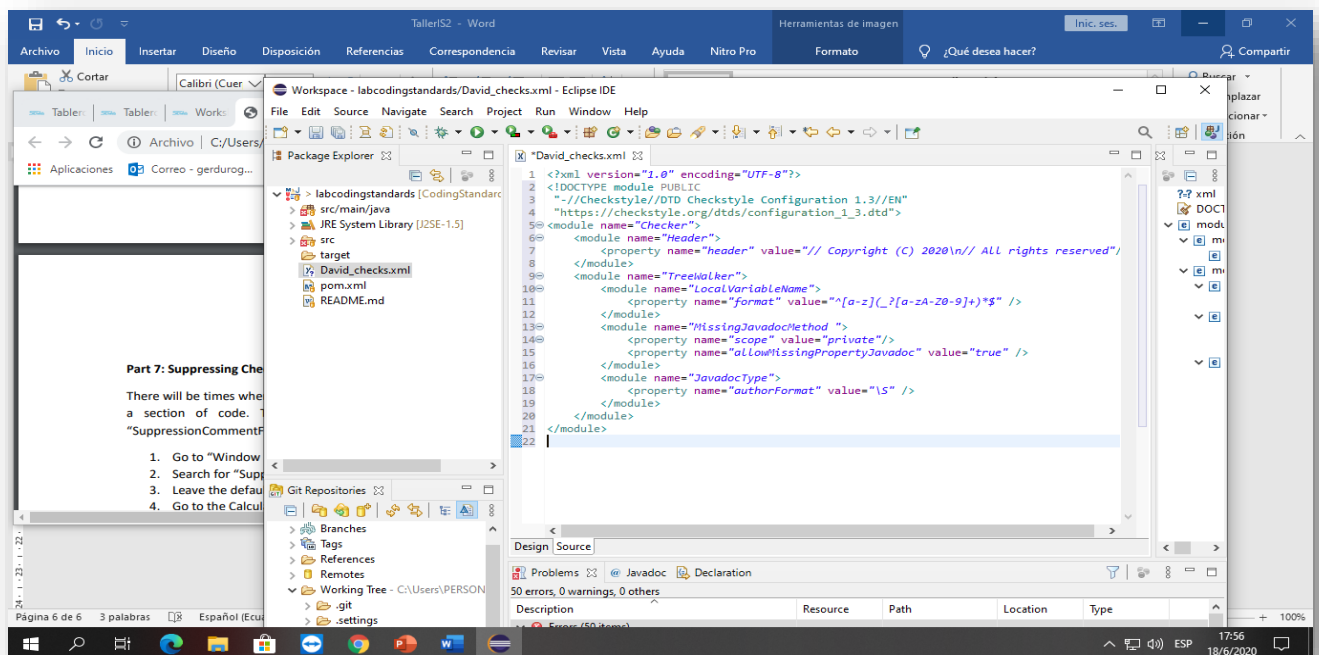
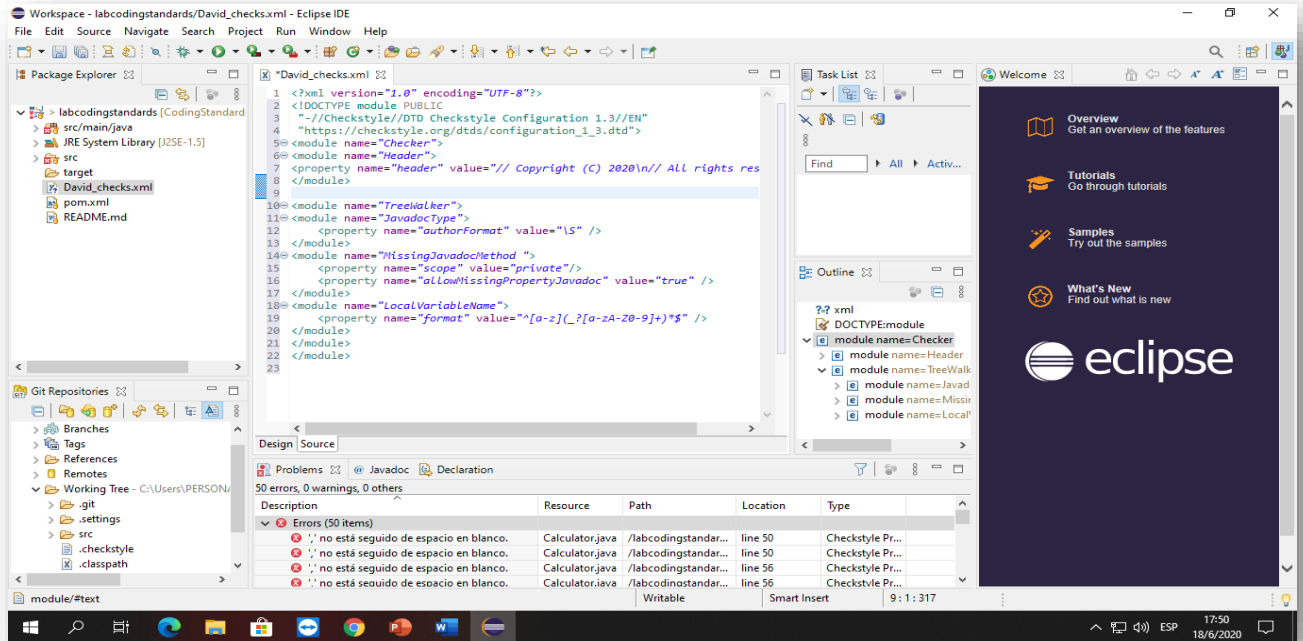
## Part 5: Configure Checkstyle using the XML

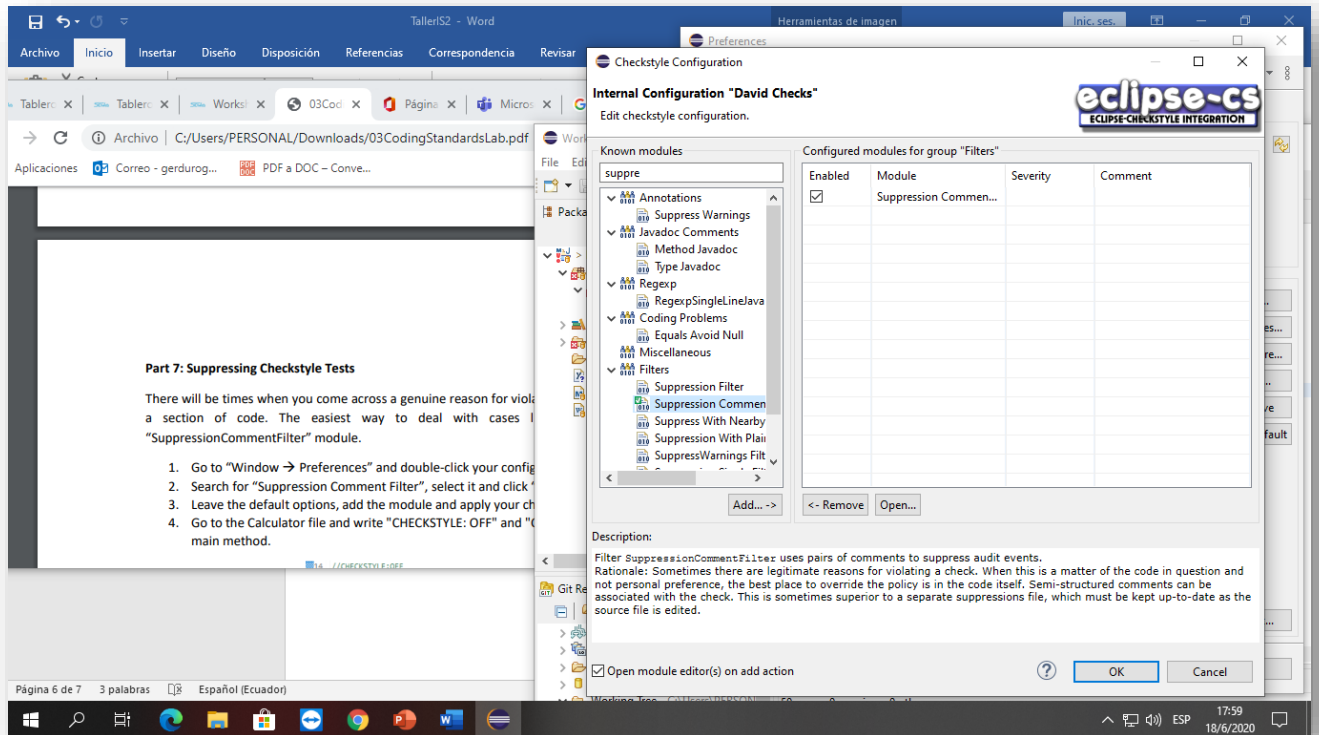




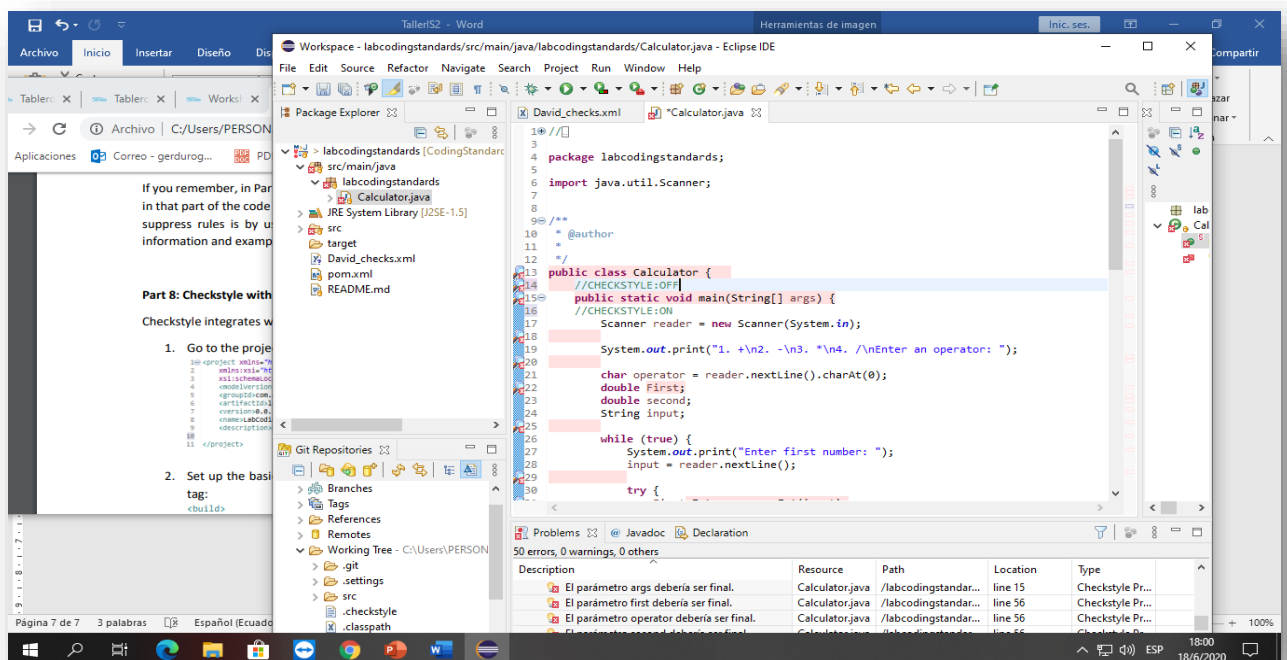


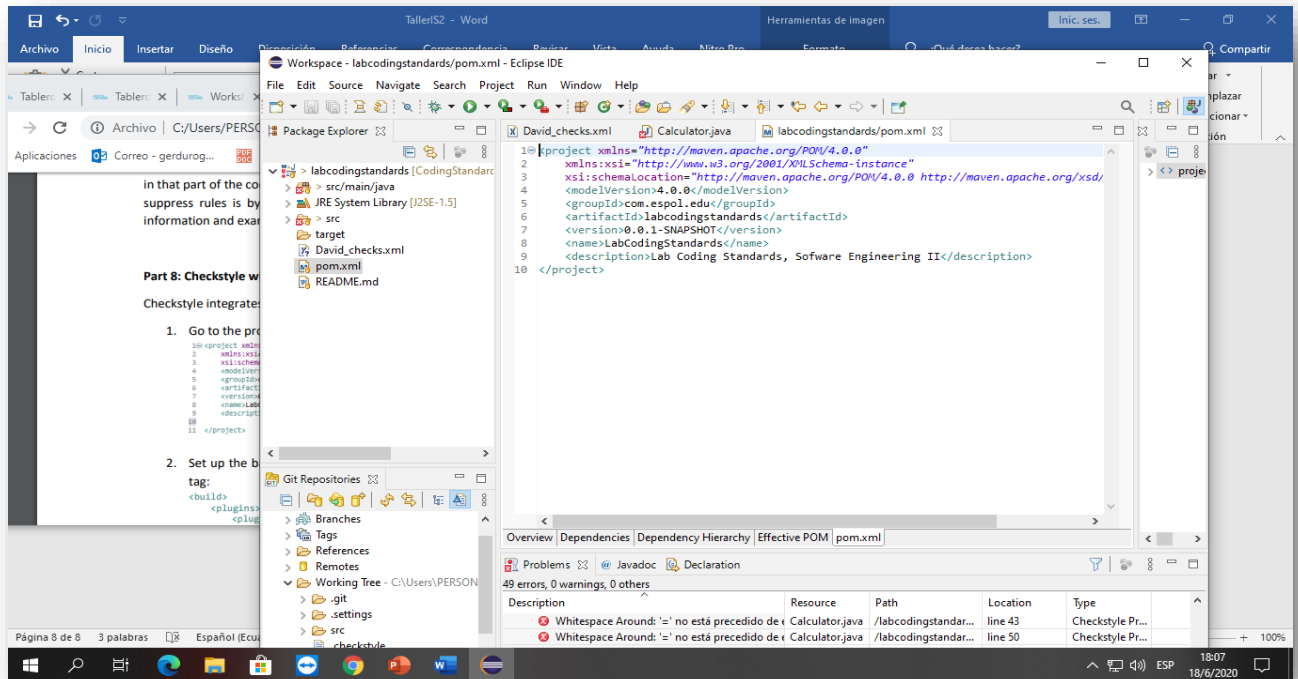
## Part 6: Check for headers.



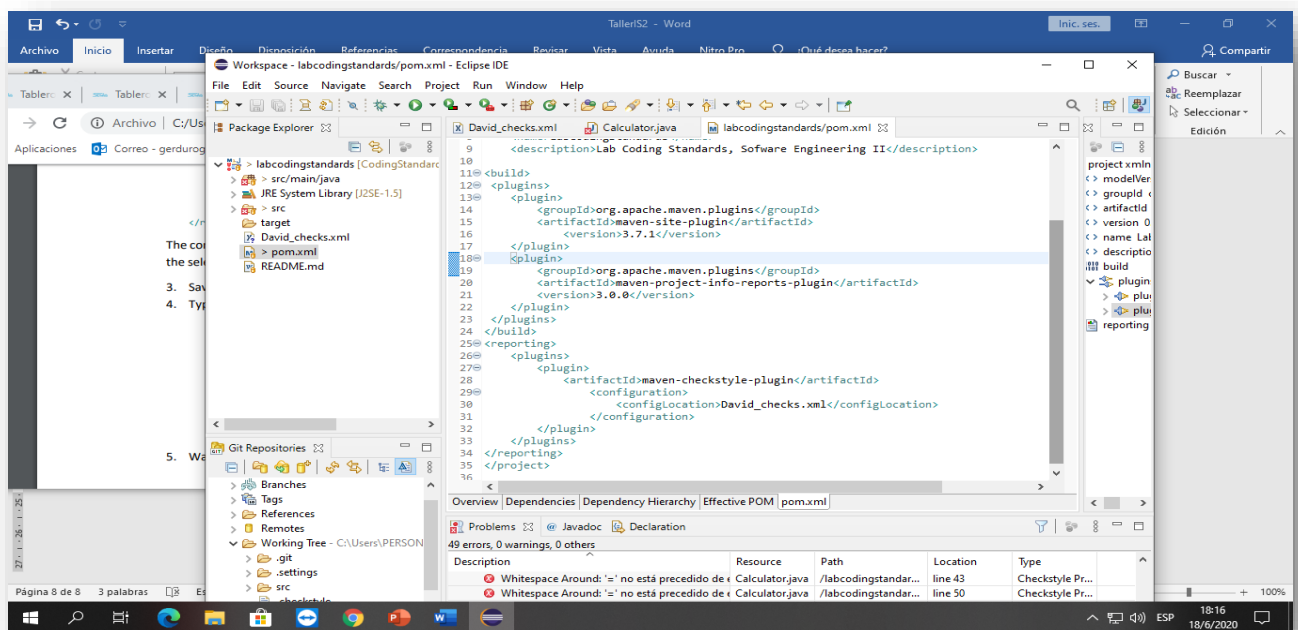


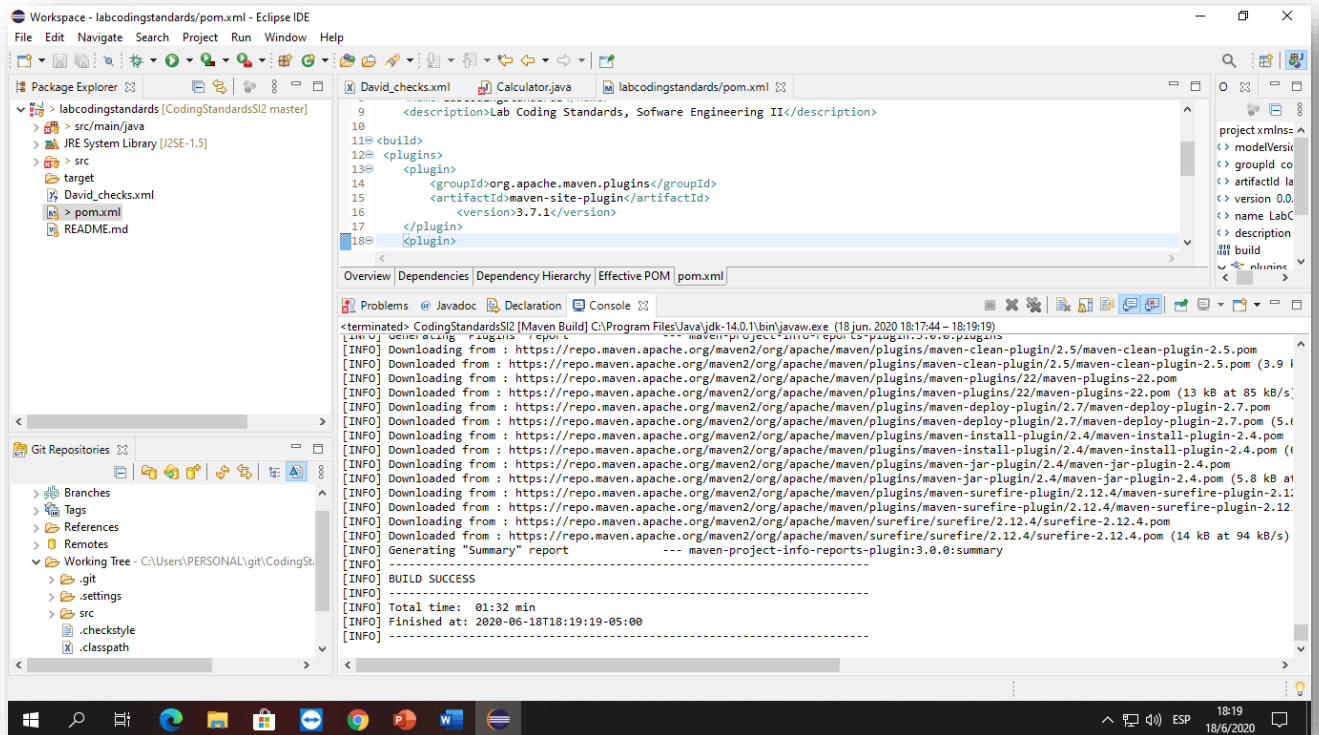
## Part 7: Suppressing Checkstyle Tests



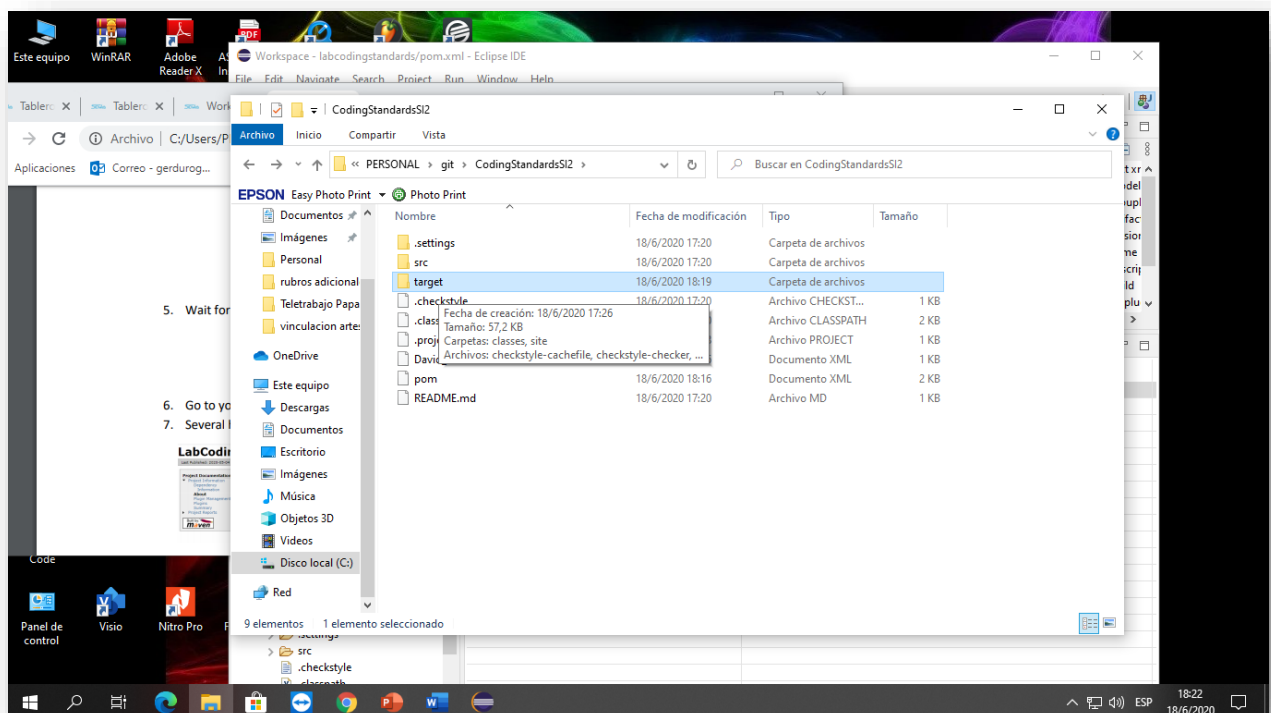


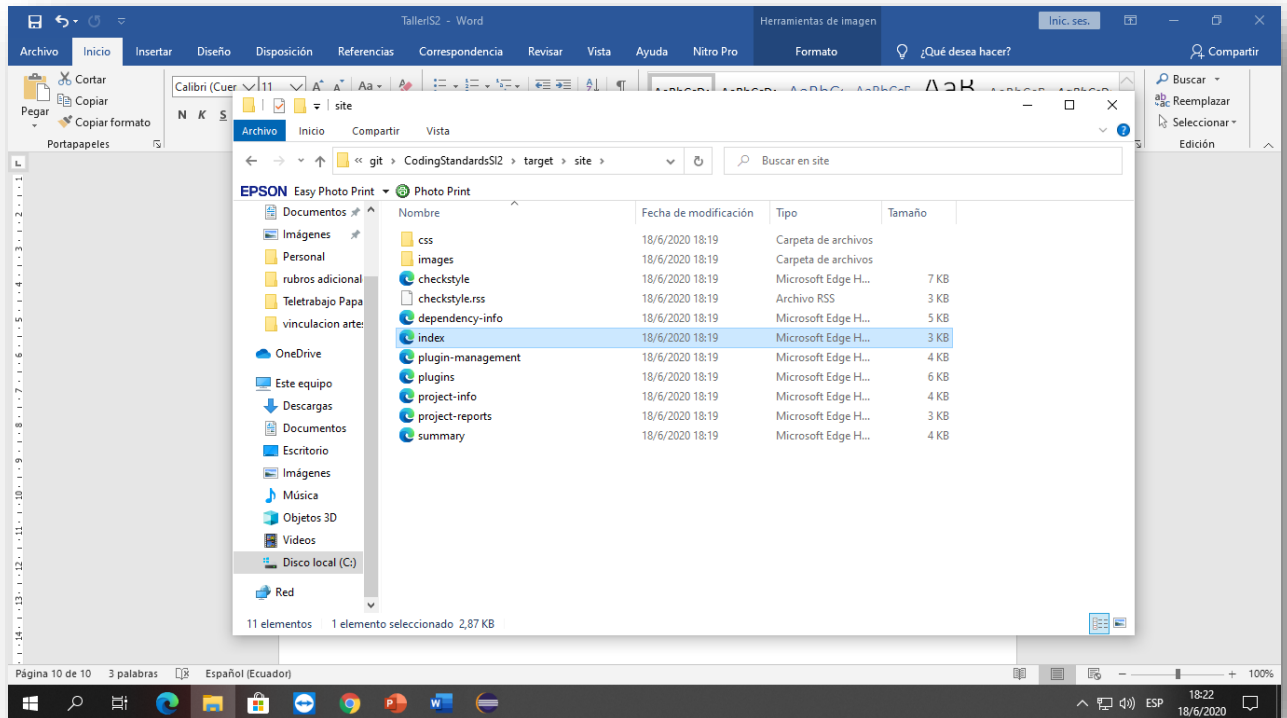
## Part 8: Checkstyle with Maven





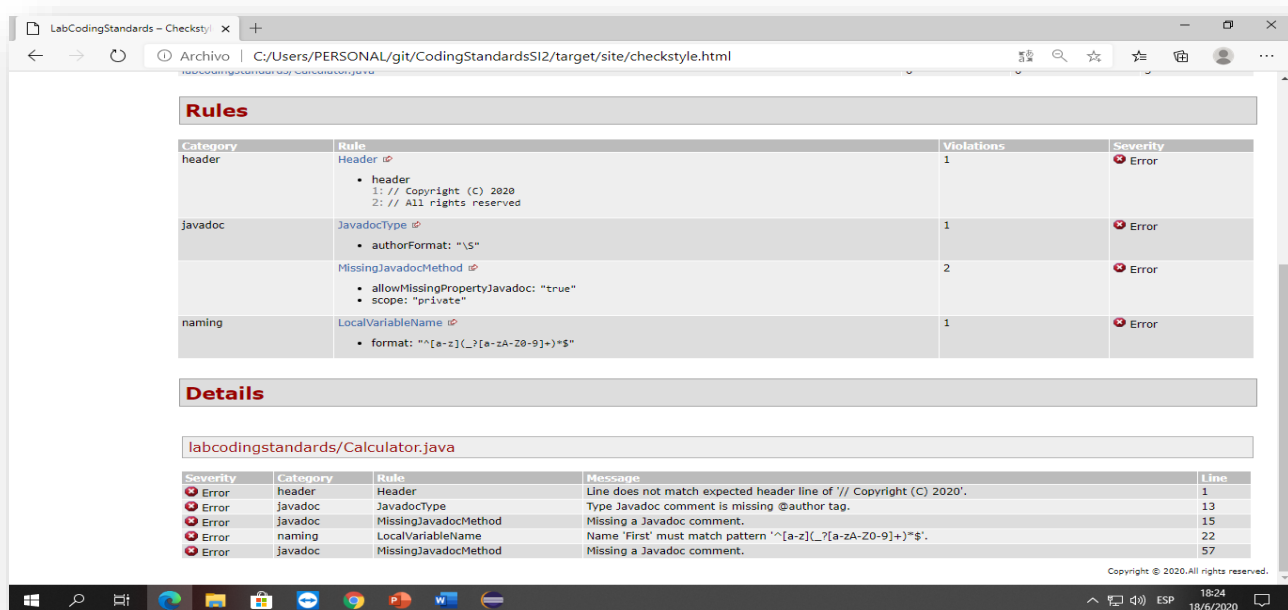
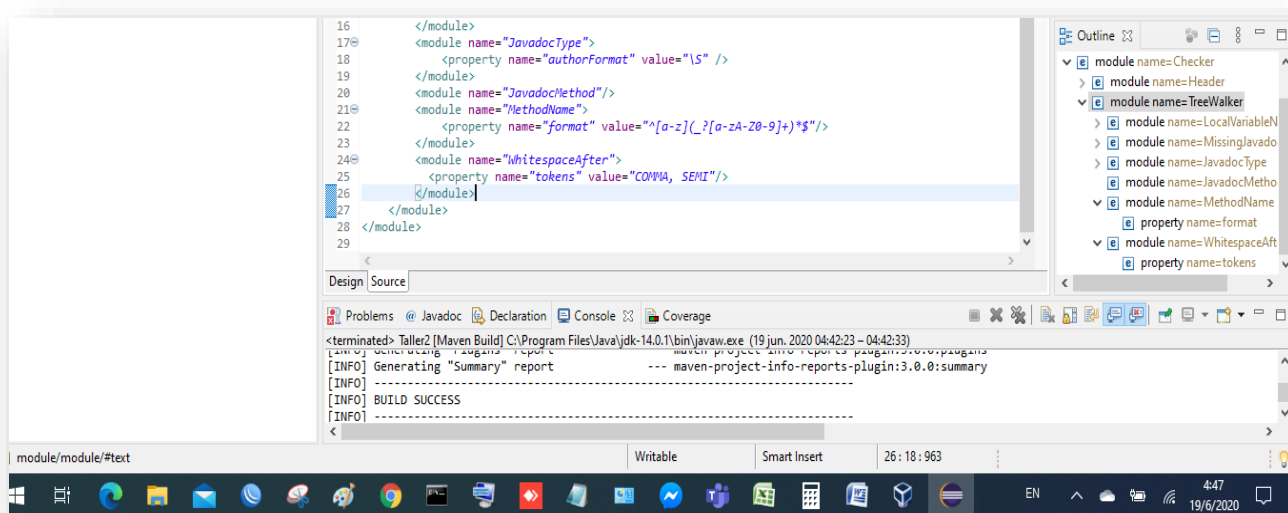
## Part 9: Go to your project directory, open “target→ site” and Check the report





## Part 9: Adding the last modules.

- Javadoc Method.
- Method Name, configure a property to match names that begin with a lower-case letter, followed by letters, digits, and underscores.
- Whitespace After, configure a property to check for whitespace only after COMMA and SEMI tokens.



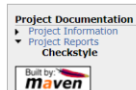
# Checkstyle Reports

## The report with errors

### LabCodingStandards

Last Published: 2020-06-19 | Version: 0.0.1-SNAPSHOT

LabCodingStandards



#### Checkstyle Results

The following document contains the results of Checkstyle 8.29 with David\_checks.xml ruleset. [View](#)

#### Summary

Files	Info	Warnings	Errors
1	0	0	10

#### Files

File	I	W	E
labcodingstandards/Calculator.java	0	0	10

#### Rules

Category	Rule	Violations	Severity
header	Header <ul style="list-style-type: none"> <li>header</li> <li>1: // Copyright (C) 2020</li> <li>2: // All rights reserved</li> </ul>	1	Error
Javadoc	JavadocType <ul style="list-style-type: none"> <li>authorFormat: "\s"</li> </ul>	1	Error
	MissingJavadocMethod	2	Error
	<ul style="list-style-type: none"> <li>allowMissingPropertyJavadoc: "true"</li> <li>scope: "private"</li> </ul>		
naming	LocalVariableName <ul style="list-style-type: none"> <li>format: "^[a-z](_?[a-zA-Z0-9]+)*\$"</li> </ul>	1	Error
	MethodName <ul style="list-style-type: none"> <li>format: "^[a-z](_?[a-zA-Z0-9]+)*\$"</li> </ul>	1	Error
whitespace	WhitespaceAfter <ul style="list-style-type: none"> <li>tokens: "COMMA, SEMI"</li> </ul>	4	Error

#### 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]+)*\$'.	22
Error	whitespace	WhitespaceAfter	',' is not followed by whitespace.	51
Error	whitespace	WhitespaceAfter	',' is not followed by whitespace.	51
Error	Javadoc	MissingJavadocMethod	Missing a Javadoc comment.	57
Error	naming	MethodName	Name 'Operation' must match pattern '^[a-z](_?[a-zA-Z0-9]+)*\$'.	57
Error	whitespace	WhitespaceAfter	',' is not followed by whitespace.	57
Error	whitespace	WhitespaceAfter	',' is not followed by whitespace.	57

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## The report without errors


### LabCodingStandards

Last Published: 2020-06-19 | Version: 0.0.1-SNAPSHOT

LabCodingStandards

Project Documentation

- Project Information
- Project Reports
  - Checkstyle

Built by: 

#### Checkstyle Results

The following document contains the results of [Checkstyle](#) 8.29 with David\_checks.xml ruleset. 

#### Summary

Files	 Info	 Warnings	 Errors
1	0	0	0

#### Files

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

#### Rules

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

#### Details



# Repository's URL

- <https://github.com/GrupoTwo/Taller2.git>

The screenshot shows the GitHub interface for the repository 'GrupoTwo/Taller2.git'. At the top, it displays '6 commits', '1 branch', '0 packages', and '0 releases'. Below this, there are buttons for 'Branch: master', 'New pull request', 'Create new file', 'Upload files', 'Find file', and 'Clone or download'. The main content area shows a list of files and folders with their commit messages and timestamps. The files include '.metadata', '.settings', 'CodingStandardsReports', 'src/main/java/labcodingstandards', 'target', '.checkstyle', '.classpath', '.project', 'David\_checks.xml', 'README.md', and 'pom.xml'. The 'README.md' file is highlighted at the bottom.

File/Folder	Commit Message	Timestamp
Renzo Informe terminado	Informe terminado	Latest commit a694870 29 seconds ago
.metadata	Informe terminado	29 seconds ago
.settings	Init	18 hours ago
CodingStandardsReports	Informe terminado	29 seconds ago
src/main/java/labcodingstandards	Reportes terminados	6 hours ago
target	Reportes terminados	6 hours ago
.checkstyle	Init	18 hours ago
.classpath	Init	18 hours ago
.project	Pruebas y ejecucion del codigo para analizar errores.	16 hours ago
David_checks.xml	Reportes terminados	6 hours ago
README.md	Init	18 hours ago
pom.xml	Pruebas y ejecucion del codigo para analizar errores.	16 hours ago