Problem 4: Checkstyle

Saraswati Saud
Student ID: 40115097

1 Description

I have used the Eclipse plugin - Checkstyle Plug-in 8.44.0 to check the quality of my source code. It is a development tool that helps programmers to write Java code that follows good programming standards. It helps to improve the quality, readability, reusability of the code and may reduce the development cost.

Checkstyle Plug-in 8.44.0

The Checkstyle Plugin (eclipse-cs) integrates the well-known source code analyzer Checkstyle into the Eclipse IDE. Checkstyle is a development tool to help you... **more info**

by <u>Lars Ködderitzsch</u>, LGPL

<u>static analysis</u> <u>Favorite</u> <u>validator</u> <u>coding style</u>

1.1 Advantages

- It is portable between IDEs.

- It is easier to integrate with external tools as it was designed as a standalone framework.

- It has an ability of creating own rules. Eclipse has a large set of styles but checkstyle has more and we can add our own custom rules.

1.2 Disadvantages

- Checkstyle is limited to a single file static analysis tool.

- It is also limited to the presentation of the code and hence does not confirm the correctness or completeness of the code.