

Walkmod

-Open Source tool to fix java coding style issues

What is Walkmod and advantages of it?

- Fixing the inconsistent Java coding standards across the development teams for the java project.
- Fixing the problems detected by code quality tools (PMD, checkstyle, sonar, findbugs).
- Reduce the development effort for the refactoring the existing Java projects

Java Source Code analyzer Tools:

FindBugs - https://www.youtube.com/watch?v=tDp5Lp_VL-4

CheckStyle - <https://www.youtube.com/watch?v=VVukBw148KA>

SonarLint - <https://www.youtube.com/watch?v=5A5LGjN3PE0>

How to Install Walkmod in local computer?

- Download walkmod latest version from Walkmod web site : <http://walkmod.com/>
- Click on the download button
- Once download completes, downloaded file will be in walkmod-<version>-installer.zip format
- Extract the file to particular folder
- You need to set the **path** variable in environment variables till bin folder, E.g: D:\walkmod-3.0.0-installer\bin
- Once you set path variable, then open command prompt , type > walkmod -version

```
INFO [main] - Java version: 1.8.0_66
INFO [main] - Java Home: C:\Program Files\Java\jdk1.8.0_66\jre
INFO [main] - OS: Windows 7, Vesion: 6.1
```

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An open source tool to apply code conventions
version 3.0 - February 2017 -

```
Walkmod version "3.0"
Java version: 1.8.0_66
Java Home: C:\Program Files\Java\jdk1.8.0_66\jre
OS: Windows 7, Version: 6.1
```

If you see above message in the command prompt means you successfully installed walkmod on your computer.

How to work with WalkMod Java project?

You can create any Java project in eclipse and create xml file with name “walkmod.xml” in the project root folder.

walkmod.xml

```
<!DOCTYPE walkmod PUBLIC "-//WALKMOD//DTD" "http://www.walkmod.com/dtd/walkmod-1.1.dtd">
<walkmod>
  <chain name="chain1">
    <reader path="{source-dir}"/>
    <transformation type="imports-cleaner"/>
    <writer path="{destination-dir}"/>
  </chain>
</walkmod>
```

{source-dir} - refer the source code directory , by default : /src/main/java
{destination-dir} - refer destination for transformation files

If your project using the gradle build tool:

```
buildscript {
  repositories {
    mavenCentral()
    jcenter()
  }

  dependencies {
    classpath 'org.walkmod:gradle-walkmod-plugin:0.0.1'
  }
}
apply plugin: 'walkmod'
```

How does walkMod work internally?

