|  |  |  |
| --- | --- | --- |
| **Topic** | **Java** | **TypeScript** |
| Software development kit (SDK) | JDK | Node.js + tsc |
| Compiler | javac | tsc |
| Package manager | Maven or Gradle | npm |
| Dependency definition file | pom.xml | package.json |
| IDE | Netbeans, IntelliJ, Eclipse | Sublime, Atom, Webstorm, IntelliJ, Eclipse, etc. |
| static code analysis | Sonar, Findbugs, Checkstyle, PMD, etc. | tslint |
| Compiler configuration | n/a (apart from VM parameters) | tsconfig.json |
| functional programming | lambdas, streams | closures, collections API |

Unit testing Junit Jasmine