

Token Analysis of the Java Compiler

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| Level | Token | Example | Incidents per 100 lines | |
|-------------|------------------|-----------------------------|---|------|
| White space | | <space>, <tab>, <formfeed> | 770.4 | |
| Comments | | // Comment to end of line | 1.0 | |
| | | /* multi line Comment */ | 3.9 | |
| | | /** comment for javadoc */ | 3.9 | |
| Tokens | Keywords | if, do, boolean, class, ... | 43.3 | |
| | Integer literals | Decimals | 99, 10L, ... | 7.7 |
| | | Hexadecimals | 0xF, 0X000011, ... | |
| | | Octals | 0, 011, 0777L, ... | |
| | Floating point | 1.2, .2e+8f, 1E-70, 1d, ... | .2 | |
| | Literals | Character literals | '1', 'ä', ... '\0' - '\0377', '\n' <i>Newline</i> , '\t' <i>Tab</i> , '\b' <i>Backspace</i> , '\f' <i>Formfeed</i> , '\r' <i>Carriage return</i> , '\"', '\\', '\\\' | .5 |
| | | String literals | "", "straße 21a\n", " ▲❹", ... | 4.0 |
| | | (Boolean literals) | true, false | 1.0 |
| | | (Null literal) | null | 2.0 |
| | | Names | (Unicode letter followed by any number of uni- code letters or unicode digits) i, Hägar, straÙe20a, , ... | 98.1 |
| | Separators | () [] { } ; , . | 148.1 | |
| | Operators | ++, *=, ?, &, ... | 26.7 | |