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## JavaScript static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVASCRIPT code

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Object literal shorthand syntax should be used

Code Smell

Strings and non-strings should not be added

Code Smell

Object literal syntax should be used

Code Smell

"undefined" should not be assigned

Code Smell

Trailing commas should not be used

Code Smell

Array constructors should not be used

Code Smell

Quotes for string literals should be used consistently

Code Smell

Statements should end with semicolons

Code Smell

Comments should not be located at the end of lines of code

Code Smell

Loops should not contain more than a single "break" or "continue" statement

Code Smell

Variable, property and parameter names should comply with a naming convention

Code Smell

Lines should not end with trailing whitespaces

Code Smell

### Regular expressions using Unicode character classes or property escapes should enable the unicode flag

Analyze your code

Bug

Minor

regex

JavaScript regular expressions provide Unicode character classes and Unicode property escapes for matching characters based on their Unicode values and Unicode properties respectively. When using Unicode property escapes like `\p{Alpha}` without the `u` flag, the regular expression will not match alphabetic characters but rather the `+\p{Alpha}+` string literal, which is likely a mistake.

This rules raises an issue when Unicode character classes and Unicode property escapes are used without the `u` flag.

#### Noncompliant Code Example

```
/\u{1234}/  
\p{Alpha}/
```

#### Compliant Solution

```
/\u{1234}/u  
\p{Alpha}/u
```

Available In:

sonarlint

sonarcloud

sonarqube

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<div>Files should contain an empty newline at the end</div> <div> Code Smell</div>
<div>An open curly brace should be located at the end of a line</div> <div> Code Smell</div>
<div>Tabulation characters should not be used</div> <div> Code Smell</div>
<div>Function and method names should comply with a naming convention</div> <div> Code Smell</div>