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## TypeScript static code analysis

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

All rules279

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Primitive types should be omitted from initialized or defaulted declarations

Non-null assertions should not be used

"undefined" should not be assigned

Trailing commas should not be used

Array constructors should not be used

Quotes for string literals should be used consistently

Statements should end with semicolons

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

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

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

Lines should not end with trailing whitespaces

### Template strings should be used instead of concatenation

Analyze your code

Code Smell

Minor ?

Quick Fix ?

es2015 clumsy

ECMAScript 2015 added the ability to use template literals instead of concatenation. Since their use is clearer and more concise, they are preferred in environments that support ECMAScript 2015.

#### Noncompliant Code Example

```
function sayHello(name) {
  console.log("hello " + name); // Noncompliant
}
```

#### Compliant Solution

```
function sayHello(name) {
  console.log(`hello ${name}`);
}
```

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https://rules.sonarsource.com/typescript/RSPEC-3512

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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>