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TypeScript static code analysis

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

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added
Code Smell

Primitive types should be omitted from initialized or defaulted declarations
Code Smell

Non-null assertions should not 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

Class methods should be used instead of "prototype" assignments

Analyze your code

Code Smell | Critical | es2015

Originally JavaScript didn't support `classes`, and class-like behavior had to be kludged using things like `prototype` assignments for "class" functions. Fortunately, ECMAScript 2015 added classes, so any lingering `prototype` uses should be converted to true `classes`. The new syntax is more expressive and clearer, especially to those with experience in other languages.

Specifically, with ES2015, you should simply declare a `class` and define its methods inside the class declaration.

Noncompliant Code Example

```
function MyNonClass(initializerArgs = []) {
  this._values = [...initializerArgs];
}

MyNonClass.prototype.doSomething = function () {  // Noncomp
  // ...
}
```

Compliant Solution

```
class MyClass {
  constructor(initializerArgs = []) {
    this._values = [...initializerArgs];
  }

  doSomething() {
    //...
  }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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Files should contain an empty newline at the end

Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Function and method names should comply with a naming convention

Code Smell