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C# static code analysis

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

- All rules 409
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Search by name...

"protected" members
Code Smell
Underscores should be used to make large numbers readable
Code Smell
"ToString()" calls should not be redundant
Code Smell
"==" should not be used when "Equals" is overridden
Code Smell
An abstract class should have both abstract and concrete methods
Code Smell
Multiple variables should not be declared on the same line
Code Smell
Culture should be specified for "string" operations
Code Smell
"switch" statements should have at least 3 "case" clauses
Code Smell
break statements should not be used except for switch cases
Code Smell
String literals should not be duplicated
Code Smell
Files should contain an empty newline at the end
Code Smell
Unused "using" should be removed
Code Smell

Inheritance list should not be redundant

Analyze your code

- Code Smell
- Minor ?
- Quick Fix ?
- clumsy

An inheritance list entry is redundant if:

- It is `Object` - all classes extend `Object` implicitly.
- It is `int` for an enum
- It is a base class of another listed inheritance.

Such redundant declarations should be removed because they needlessly clutter the code and can be confusing.

Noncompliant Code Example

```
public class MyClass : Object // Noncompliant

enum MyEnum : int // Noncompliant
```

Compliant Solution

```
public class MyClass

enum MyEnum
```

Available In:

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A close curly brace should be located at the beginning of a line

 Code Smell

Tabulation characters should not be used

 Code Smell

Methods and properties should be named in PascalCase

 Code Smell

Track uses of in-source issue suppressions

 Code Smell