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# Ruby static code analysis

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

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Control flow statements "if", "for", "while", "until", "case" and "begin...rescue" should not be nested too deeply
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"if ... else if" constructs should end with "else" clauses
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Expressions should not be too complex
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Ruby parser failure
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Functions should not have too many lines of code
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Statements should be on separate lines

## Nested blocks of code should not be left empty

Analyze your code

Code Smell Major suspicious

Most of the time a block of code is empty when a piece of code is really missing. So such empty block must be either filled or removed.

### Noncompliant Code Example

```
def compute(a, b)
  sum = a + b
  if sum > 0 # Noncompliant; empty on purpose or missing
  end
  puts "Result: #{sum}"
end
```

### Compliant Solution

```
def compute(a, b)
  sum = a + b
  if sum > 0
    puts "Positive result"
  end
  puts "Result: #{sum}"
end
```

### Exceptions

When a block contains a comment, this block is not considered to be empty.

while and unless loops are also exception to the rule.

```
while @order.process_next; end # Compliant
```

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"case when" clauses should not have too many lines of code

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Files should not have too many lines of code

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Lines should not be too long

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Tabulation characters should not be used

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