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T-SQL static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your T-SQL code



R Bug

R Bug

condition

Bug

R Bug

Rug Bug

refactored

Rug Bug

R Bug

used

Code Smell

Code Smell

configured

Code Smell

Code Smell

sides of a binary operator

All code should be reachable

Vulnerability

Unary prefix operators should not be repeated

Related "IF"/"ELSE IF" statements and "WHEN"

clauses in a "CASE" should not have the same

Identical expressions should not be used on both

Loops with at most one iteration should be

Variables should not be self-assigned

"GOTO" statements should not be used

"ANSI_NULLS", "ANSI_PADDING" and

"@@IDENTITY" should not be used

"CONCAT_NULL_YIELDS_NULL" should not be

"NULL" should not be compared directly

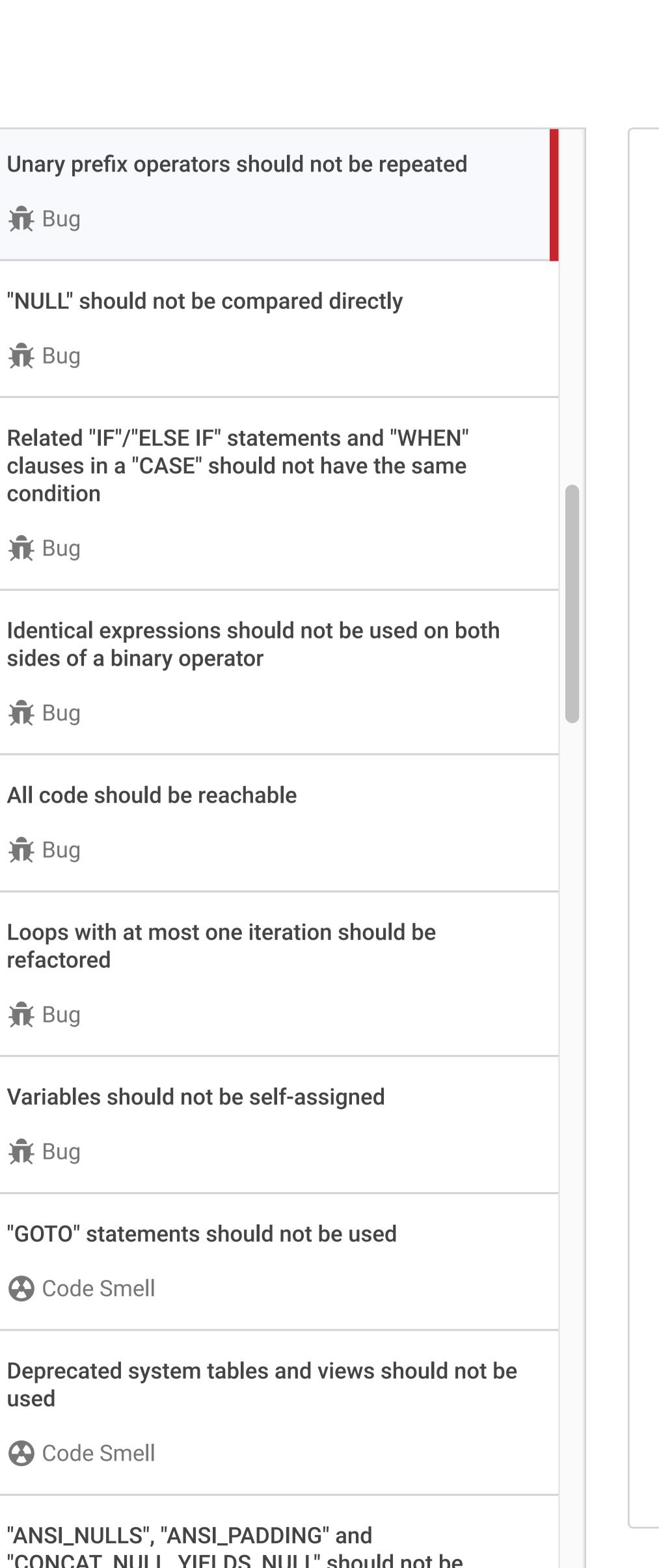
(1)



Security Hotspot



Code Smell (59)



```
Analyze your code
Unary prefix operators should not be repeated
Rug Major 🕝
Calling the +, -, ~ or NOT prefix operator twice does nothing: the second invocation undoes the first. Such mistakes are typically caused
by accidentally double-tapping the key in question without noticing.
Either this is a bug, if the operator was actually meant to be called once, or misleading if done on purpose.
Noncompliant Code Example
  DECLARE @v1 INTEGER = 1
  DECLARE @v2 INTEGER = - - -@v1 -- Noncompliant; -@v1 should be used instead
  DECLARE @v3 INTEGER = ~~~@v1 -- Noncompliant; ~@v1 should be used instead
  DECLARE @v4 INTEGER = ++@v1 -- Noncompliant; operators are useless here
 IF NOT NOT @v1 <> @v2 -- Noncompliant
    BEGIN
      PRINT @msg
    END
Compliant Solution
  DECLARE @v1 INTEGER = 1
  DECLARE @v2 INTEGER = -@v1
  DECLARE @v3 INTEGER = -@v1
  DECLARE @v4 INTEGER = @v1
 IF @v1 <> @v2
    BEGIN
      PRINT @msg
    END
 Available In:
 sonarlint  sonarcloud  sonarqube Developer Edition
```

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