





PL/SQL

## PL/SQL static code analysis

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

**All rules** 188    Vulnerability 4    Bug 45    Security Hotspot 2    Code Smell 137

Tags

Search by name...

Code Smell

Boolean literals should not be redundant

Code Smell

Comments should not be nested

Code Smell

"DBMS\_UTILITY.FORMAT\_ERROR\_STACK" and "FORMAT\_ERROR\_BACKTRACE" should be used together

Code Smell

Procedures should not contain "RETURN" statements

Code Smell

Track uses of "TODO" tags

Code Smell

Neither DES (Data Encryption Standard) nor DESede (3DES) should be used

Vulnerability

"SYNCHRONIZE" should not be used

Bug

Global public variables should not be defined

Code Smell

A primary key should be specified during table creation

Code Smell

Track lack of copyright and license headers

Code Smell

SHA-1 and Message-Digest hash algorithms should not be used in secure contexts

Vulnerability

Boolean literals should not be redundant

Analyze your code

Code Smell

Minor ?

clumsy

Redundant Boolean literals should be removed from expressions to improve readability.

Noncompliant Code Example

```
SET SERVEROUTPUT ON

DECLARE
    foo BOOLEAN := TRUE;
BEGIN
    IF foo = FALSE THEN                -- Noncompliant
        DBMS_OUTPUT.PUT_LINE('foo = false!');
    ELSIF foo = TRUE THEN              -- Noncompliant
        DBMS_OUTPUT.PUT_LINE('foo = true!');
    END IF;
END;
/
```

Compliant Solution

```
DECLARE
    foo BOOLEAN := TRUE;
BEGIN
    IF NOT foo THEN                   -- Compliant
        DBMS_OUTPUT.PUT_LINE('foo = false!');
    ELSIF foo THEN                   -- Compliant
        DBMS_OUTPUT.PUT_LINE('foo = true!');
    END IF;
END;
/
```

Available In:

sonarlint

sonarcloud

sonarqube

Developer Edition

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