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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...

Column names should be used in a SQL "ORDER BY" clause
Code Smell

Procedures and functions should be documented
Code Smell

SQL statements should not join too many tables
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Function and procedure names should comply with a naming convention
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Columns to be read with a "SELECT" statement should be clearly defined
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"CASE" structures should not have too many "WHEN" clauses
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Deprecated LONG and LONG RAW datatypes should no longer be used
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Sections of code should not be commented out
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Unused procedure and function parameters should be removed
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SQL EXISTS subqueries should not be used
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Track uses of "FIXME" tags
Code Smell

Variables should not be shadowed

Column names should be used in a SQL "ORDER BY" clause

Analyze your code

Code Smell | Major | sql

Even though the `ORDER BY` clause supports using column numbers, doing so makes the code difficult to read and maintain. Therefore the use of column names is preferred.

Noncompliant Code Example

```
BEGIN
  SELECT col2, col3
  BULK COLLECT INTO result
  FROM my_table
  ORDER BY
    1 ASC;           -- Noncompliant - if col1 is added to the selected fields, this may break
END;
/
```

Compliant Solution

```
BEGIN
  SELECT col2, col3
  BULK COLLECT INTO result
  FROM my_table
  ORDER BY
    col2 ASC;
END;
/
```

Available In:

sonarlint | sonarcloud | sonarqube Developer Edition

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