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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...

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

Sensitive "SYS" owned functions should not be used
Vulnerability

"FORMS_DDL('COMMIT')" and "FORMS_DDL('ROLLBACK')" should not be used
Bug

"DBMS_OUTPUT.PUT_LINE" should not be used
Code Smell

"WHEN OTHERS" should not be the only exception handler
Code Smell

"INSERT" statements should explicitly list the columns to be set
Code Smell

"%TYPE" and "%ROWTYPE" should not be used in package specification
Code Smell

Functions and procedures should not be too complex
Code Smell

"IF ... ELSEIF" constructs should end with "ELSE" clauses

A primary key should be specified during table creation

Analyze your code

Code Smell | Blocker | suspicious

Tables without primary keys are largely unusable in a relational database because they cannot be joined to. A primary key should be specified at table creation to guarantee that all its records have primary key values.

Noncompliant Code Example

```
CREATE TABLE employee
(
  employee_id INTEGER NOT NULL,
  first_name VARCHAR2(42) NOT NULL,
  last_name VARCHAR2(42) NOT NULL
);
```

Compliant Solution

```
CREATE TABLE employee
(
  employee_id INTEGER PRIMARY KEY,
  first_name VARCHAR2(42) NOT NULL,
  last_name VARCHAR2(42) NOT NULL
);
```

Available In:

sonarlint | sonarcloud | sonarqube Developer Edition

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