


















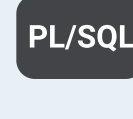








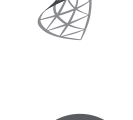





-  Secrets
-  ABAP
-  Apex
-  C
-  C++
-  CloudFormation
-  COBOL
-  C#
-  CSS
-  Flex
-  Go
-  HTML
-  Java
-  JavaScript
-  Kotlin
-  Kubernetes
-  Objective C
-  PHP
-  PL/I
-  **PL/SQL**
-  Python
-  RPG
-  Ruby
-  Scala
-  Swift
-  Terraform
-  Text
-  TypeScript
-  T-SQL
-  VB.NET
-  VB6
-  XML

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... 


- Procedures and functions should be documented


 Code Smell
- SQL statements should not join too many tables


 Code Smell
- Function and procedure names should comply with a naming convention


 Code Smell
- Columns to be read with a "SELECT" statement should be clearly defined


 Code Smell
- "CASE" structures should not have too many "WHEN" clauses


 Code Smell
- Deprecated LONG and LONG RAW datatypes should no longer be used


 Code Smell
- Sections of code should not be commented out


 Code Smell
- Unused procedure and function parameters should be removed

 Code Smell
- SQL EXISTS subqueries should not be used

 Code Smell
- Track uses of "FIXME" tags

 Code Smell
- Variables should not be shadowed

 Code Smell
- Redundant pairs of parentheses should be removed

 Code Smell

Procedures and functions should be documented

Analyze your code

 Code Smell

 Major



Each function and procedure should be documented with a comment either just before or right after the `IS` or `AS` keyword it to explain its goal and how it works.

Noncompliant Code Example

```
CREATE FUNCTION my_function RETURN PLS_INTEGER AS
BEGIN
    RETURN 42;
END;
/

CREATE PACKAGE my_package AS

PROCEDURE my_procedure;

FUNCTION my_function RETURN PLS_INTEGER;

END my_package;
/
```

Compliant Solution

```
CREATE FUNCTION my_function RETURN PLS_INTEGER AS
-- Computes the meaning of life
BEGIN
    RETURN 42;
END;
/

CREATE PACKAGE my_package AS

-- This is documentation
PROCEDURE my_procedure;

/*
    This is documentation
*/
FUNCTION my_function RETURN PLS_INTEGER;

END my_package;
/
```

Exceptions

Functions are procedures declared in package bodies, and anonymous PL/SQL blocks do not have to be documented.

```
DECLARE
    PROCEDURE helper_procedure AS
    BEGIN
        NULL;
    END;
BEGIN
    helper_procedure;
END;
/

CREATE PACKAGE my_package AS

-- This is documentation
PROCEDURE public_procedure;

END my_package;
/

CREATE PACKAGE BODY my_package AS

PROCEDURE helper_procedure AS
BEGIN
    NULL;
END;

PROCEDURE public_procedure AS
BEGIN
    helper_procedure;
END;

END my_package;
/
```

Available In:

  |   Developer Edition