

## 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 

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	Code Smell
<hr/>	
An "ORDER BY" direction should be specified explicitly	
	Code Smell
<hr/>	
Oracle's join operator (+) should not be used	
	Code Smell
<hr/>	
"cursor%NOTFOUND" should be used instead of "NOT cursor%FOUND"	
	Code Smell
<hr/>	
Object attributes should comply with a naming convention	
	Code Smell
<hr/>	
Record fields should comply with a naming convention	
	Code Smell
<hr/>	
Cursors should follow a naming convention	
	Code Smell
<hr/>	
Types should follow a naming convention	
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Cursor parameters should follow a naming convention	
	Code Smell
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Exceptions should follow a naming convention	
	Code Smell
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Exceptions should not be ignored	
	Code Smell
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Variables should not be initialized with "NULL"	
	Code Smell

## An "ORDER BY" direction should be specified explicitly

## Analyze your code

 Code Smell  Minor   confusing sql

ASC or DESC should be specified for every column of an ORDER BY clause to improve readability.

## Noncompliant Code Example

```
BEGIN
    SELECT col1, col2, col3
    BULK COLLECT INTO result
    FROM my_table
    ORDER BY
        col1 ASC,
        col2,          -- Noncompliant - ASC or DESC should be specified
        col3 DESC;
END;
/
```

## Compliant Solution

```
BEGIN
    SELECT col1, col2, col3
    BULK COLLECT INTO result
    FROM my_table
    ORDER BY
        col1 ASC,
        col2 ASC,
        col3 DESC;
END;
/
```

Available In:

sonarlint  | sonarcloud  | sonarqube  Developer Edition