PL/SQL static code analysis: Functions should end with "RETURN" statements

1 minute

Always having a RETURN as the last statement in a function is a good practice as it prevents the `ORA−06503 PL/SQL: Function returned without value` error.

Noncompliant Code Example

CREATE FUNCTION incorrectFunction RETURN PLS_INTEGER IS -- Non-Compliant
BEGIN
  NULL; -- This function was expected to return a PLS_INTEGER, but did not. Will lead to ORA-06503
END;
/

BEGIN
  DBMS_OUTPUT.PUT_LINE('Ret = ' || incorrectFunction2); -- ORA-06503 PL/SQL: Function returned without value
END;
/

DROP FUNCTION incorrectFunction;

Compliant Solution

```
CREATE FUNCTION correctFunction RETURN PLS_INTEGER
IS -- Compliant
BEGIN
  RETURN 42;
END;
/

DROP FUNCTION correctFunction;
```