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## T-SQL static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your T-SQL code











A primary key should be specified during table creation

first\_name VARCHAR(42) NOT NULL,

last name VARCHAR(42) NOT NULL

Code Smell (59)



Analyze your code

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

**6** Vulnerability

"NOCOUNT" should be activated on "PROCEDURE" and "TRIGGER" definitions

Code Smell

Control flow statements "IF", "WHILE" and "TRY" should not be nested too deeply

Code Smell

"CASE" expressions should end with "ELSE" clauses

Code Smell

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

Code Smell

Control structures should use BEGIN...END blocks

Code Smell

String literals should not be duplicated

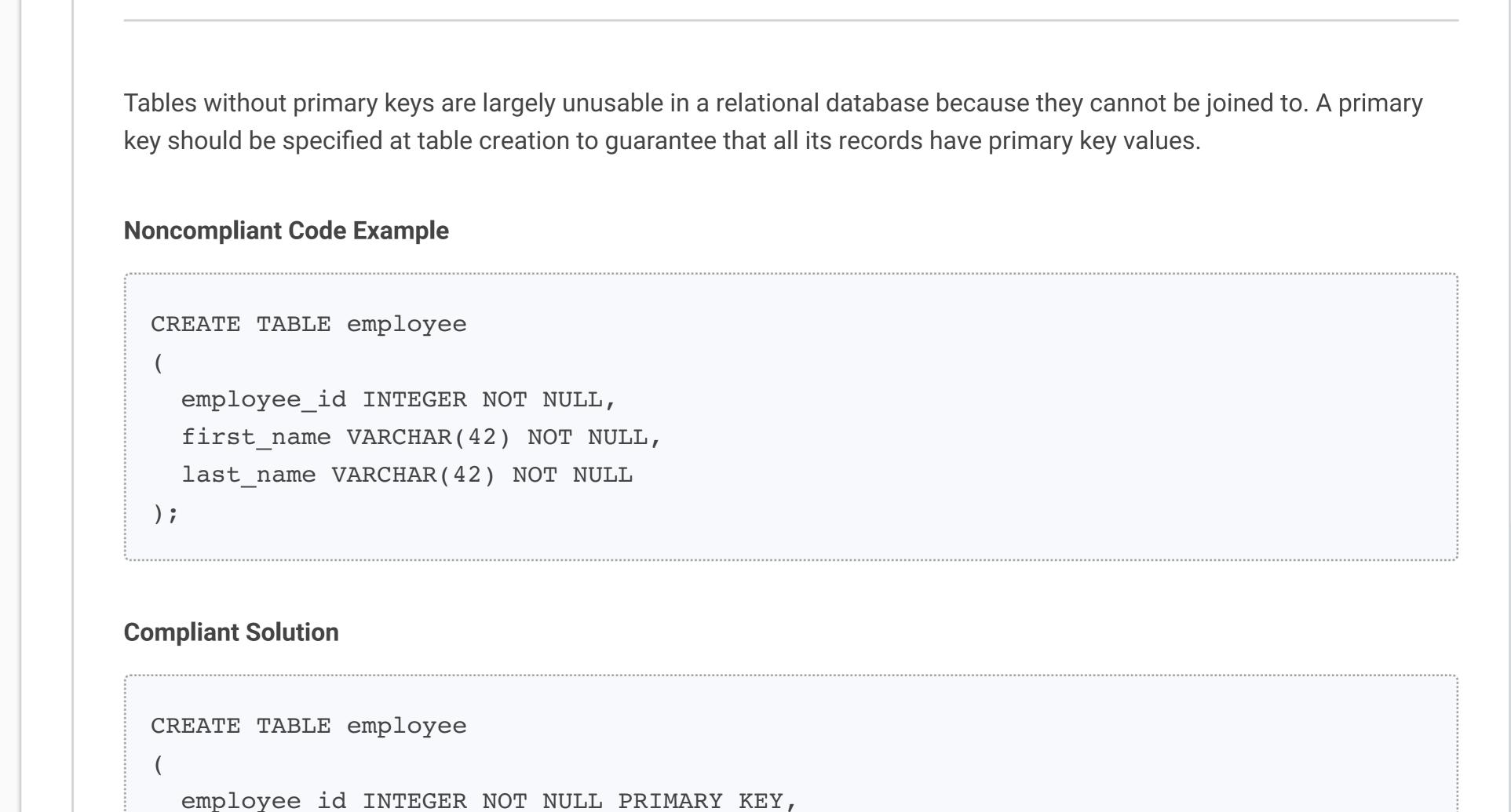
Code Smell

Expressions should not be too complex

Code Smell

"WHERE" clauses should not contain redundant conditions

**Bug** 



CREATE TABLE employee employee\_id INTEGER NOT NULL, first name VARCHAR(42) NOT NULL, last name VARCHAR(42) NOT NULL, CONSTRAINT PK\_Employee PRIMARY KEY (employee\_id)

## **Exceptions**

No issue is reported on temporary tables as they are often used to manipulate data and do not always require a primary key.

Example:

CREATE TABLE #EmployeeName (last\_name VARCHAR(42) NOT NULL); -- Compliant

Available In:

sonarlint sonarcloud sonarqube Developer Edition

