# CWE Detail – CWE-483

## Description

The code does not explicitly delimit a block that is intended to contain 2 or more statements, creating a logic error.

## Extended Description

In some languages, braces (or other delimiters) are optional for blocks. When the delimiter is omitted, it is possible to insert a logic error in which a statement is thought to be in a block but is not. In some cases, the logic error can have security implications.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Observed Examples (CVEs)

**•** CVE-2014-1266: incorrect indentation of "goto" statement makes it more difficult to detect an incorrect goto (Apple's "goto fail")

## Modes of Introduction

**•** Implementation: N/A

## Common Consequences

**•** Impact: Alter Execution Logic — Notes: This is a general logic error which will often lead to obviously-incorrect behaviors that are quickly noticed and fixed. In lightly tested or untested code, this error may be introduced it into a production environment and provide additional attack vectors by creating a control flow path leading to an unexpected state in the application. The consequences will depend on the types of behaviors that are being incorrectly executed.

## Potential Mitigations

**•** Implementation: Always use explicit block delimitation and use static-analysis technologies to enforce this practice. (Effectiveness: N/A)

## Applicable Platforms

**•** C (Class: None, Prevalence: Sometimes)

**•** C++ (Class: None, Prevalence: Sometimes)

## Demonstrative Examples

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