

Objective C static code analysis: "return" statements should not occur in "finally" blocks

1 minute

Returning from a `finally` block suppresses the propagation of any unhandled exception which was thrown in the `try` or `catch` block.

Noncompliant Code Example

```
void openResource() {
    @throw [NSException
exceptionWithName:@"FileNotFoundException" reason:@"File Not
Found on System" userInfo:nil];
}

void fun() {
    @try {
        openResource();
    }
    @finally {
        closeResource();
        return; // Noncompliant - prevents the exception from being
propagated
    }
}
```

Compliant Solution

```
void openResource() {
    @throw [NSException
exceptionWithName:@"FileNotFoundException" reason:@"File Not
Found on System" userInfo:nil];
}

void fun() {
    @try {
        openResource();
    }
    @finally {
        closeResource();
    }
}
```

See

- [MITRE, CWE-584](#) - Return Inside Finally Block
- [CERT, ERR04-J.](#) - Do not complete abruptly from a finally block

Available In: