

C static code analysis: break statements should not be used except for switch cases

1 minute

`break;` is an unstructured control flow statement which makes code harder to read.

Ideally, every loop should have a single termination condition.

Noncompliant Code Example

```
for (element = list.first; element != null; element =  
    element->next) { // First termination condition  
    if (!matches(element->value)) {                               //  
        // Second termination condition  
        break; // Noncompliant  
    }  
  
    /* ... */  
}
```

Compliant Solution

```
// Compliant
```

```
for (element = list.first; element != null &&  
matches(element->value); element = element->next) {  
    /* ... */  
}
```