

# Swift static code analysis: Methods and field names should not be the same or differ only by capitalization

1 minute

Looking at the set of methods in a `class`, `struct`, `enum`, or `extension` and finding two methods that differ only by capitalization is confusing to users of the class. It is similarly confusing to have a method and a field or a case which differ only in capitalization.

## Noncompliant Code Example

```
class SomeClass {
    var lookUp = false
    func lookup(){ }    // Noncompliant; method name differs from
                        // field name only by capitalization
    func lookUP(){ }    // Noncompliant; method name differs from
                        // field and another method name only by capitalization
}
```

## Compliant Solution

```
class SomeClass {
    var lookUp = false
    func getLookUp(){ }
}
```