C++ static code analysis: Parameters should be passed in the correct order

1 minute

When the names of parameters in a method call match the names of the method arguments, it contributes to clearer, more readable code. However, when the names match, but are passed in a different order than the method arguments, it indicates a mistake in the parameter order which will likely lead to unexpected results.

Noncompliant Code Example

```
int divide(int divisor, int dividend) {
  return divisor / dividend;
}

void doTheThing() {
  int divisor = 15;
  int dividend = 5;

  int result = divide(dividend, divisor);  // Noncompliant; operation
succeeds, but result is unexpected
  //...
}
```

Compliant Solution

```
int divide(int divisor, int dividend) {
  return divisor / dividend;
}

void doTheThing() {
  int divisor = 15;
  int dividend = 5;

  int result = divide(divisor, dividend);
  //...
}
```