

# C static code analysis: Digraphs should not be used

1 minute

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The use of digraphs may not meet developer expectations.

The digraphs are:

- `<%`
- `%>`
- `<:`
- `:>`
- `%:`
- `:%:`

## Noncompliant Code Example

```
template <typename T>
class A
{
    public:
        template<int32_t i>
        void f2();
};
```

```
void f(A<int32_t> * a<:10:>) /* Noncompliant - usage of '<:'
instead of '[' and '>:' instead of ']' */
```

```

<%          /* Noncompliant - usage of '<%' instead of
{' */
    a<:0:>->f2<20>();          /* Noncompliant - usage of '<:' and
':>' */
%>          /* Noncompliant - usage of '%>' instead of
'}' */

```

## Compliant Solution

```

/* ... */

void f(A<int32_t> * a[10])    /* Compliant */
{
    /* Compliant */
    a[0]->f2<20>();          /* Compliant */
}
/* Compliant */

```

## See

- MISRA C++:2008, 2-5-1 - Digraphs should not be used.