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Reference

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public member function

std::ios::operator bool

<ios> <iostream>

C++98 C++11 ?

operator void*() const;

Evaluate stream
Returns whether an error flag is set (either `failbit` or `badbit`).

Notice that this function does not return the same as member `good`, but the opposite of member `fail`.

C++98 C++11 ?

The function returns a *null pointer* if at least one of these error flags is set, and some other value otherwise.

Parameters

none

Return Value

C++98 C++11 ?

A *null pointer* if at least one of `failbit` or `badbit` is set. Some other value otherwise.

Example

```

1 // evaluating a stream
2 #include <iostream>      // std::cerr
3 #include <fstream>      // std::ifstream
4
5 int main () {
6     std::ifstream is;
7     is.open ("test.txt");
8     if (is) {
9         // read file
10    }
11    else {
12        std::cerr << "Error opening 'test.txt'\n";
13    }
14    return 0;
15 }

```

Data races

Accesses the stream object.
Concurrent access to the same stream object may cause data races.

Exception safety

Strong guarantee: if an exception is thrown, there are no changes in the stream.

See also

ios::fail

Check whether either failbit or badbit is set (public member function)

ios::operator!

Evaluate stream (not) (public member function)

ios::operator bool

ios::operator!

ios::rdbuf

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C++11

C++11

C++11

PatchIT Updating Library

PatchIT offers fully automated updating libraries for coding

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