

std::cout << "all characters read successfully.";</pre>

// ...buffer contains the entire file...

std::cout << "error: only " << is.gcount() << " could be read";</pre>

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is.close();

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      delete[] buffer;
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    return 0;
```

Possible output:

Reading 640 characters... all characters read successfully.

Data races

Modifies the elements in the array pointed to by s and the stream object.

Concurrent access to the same stream object may cause data races, except for the standard stream object cin when this is synchronized with stdio (in this case, no data races are initiated, although no guarantees are given on the order in which extracted characters are attributed to threads).

Exception safety

Basic guarantee: if an exception is thrown, the object is in a valid state.

It throws an exception of member type failure if the resulting error state flag is not goodbit and member exceptions was set to throw for that state.

Any exception thrown by an internal operation is caught and handled by the function, setting badbit. If badbit was set on the last call to exceptions, the function rethrows the caught exception.

掌 See also

istream::get	Get characters (public member function)
istream::readsome	Read data available in buffer (public member function)
istream::operator>>	Extract formatted input (public member function)

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