

This example demonstrates how sync behaves on certain implementations of cin, removing any unread character from the standard input queue of characters.

std::cout << "The first word began by " << first << '\n';</pre> std::cout << "The second word began by " << second << '\n';

## Possible output:

return 0;

13 14

15 16

18 }

Please, enter a word: test Please enter another word: text The first word began by t

Not logged in

log in

The second word began by t

## Data races

Modifies 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 characters are extracted or synchronized between 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.

## 🚔 See also

ostream::flush	Flush output stream buffer (public member function )
streambuf::pubsync	Synchronize stream buffer (public member function )

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