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public member function

std::stringstream::str

<sstream>

string str() const;

void str (const string& s);

Get/set content

The first form (1) returns a [string](#) object with a copy of the current contents of the stream.

The second form (2) sets *s* as the contents of the stream, discarding any previous contents. The object preserves its *open mode*: if this includes `ios_base::ate`, the *writing position* is moved to the end of the new sequence.

Internally, the function calls the `str` member of its *internal string buffer* object.

Parameters

s

A [string](#) object, whose content is copied.

Return Value

For (1), a [string](#) object with a copy of the current contents in the *stream buffer*.

Example

```
1 // stringstream::str
2 #include <string>           // std::string
3 #include <iostream>         // std::cout
4 #include <sstream>          // std::stringstream, std::stringbuf
5
6 int main () {
7     std::stringstream ss;
8     ss.str ("Example string");
9     std::string s = ss.str();
10    std::cout << s << '\n';
11    return 0;
12 }
```

Example string

Data races

Accesses (1) or modifies (2) the [stringstream](#) object.
Concurrent access to the same object may cause data races.

Exception safety

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

See also

stringstream::stringstream

Construct object (public member function)

stringbuf::str

Get/set the string content (public member function)

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http://www.cplusplus.com/reference/ssstream/stringstream/str/

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