



Search:

Go

Not logged in

Reference

<sstream>

istream

str

register

log in

C++

Information
Tutorials
Reference
Articles
Forum

Reference

Library:
Containers:
Input/Output:
 <fstream>
 <iomanip>
 <ios>
 <iosfwd>
 <iostream>
 <istream>
 <ostream>
 <sstream>
 <streambuf>
Multi-threading:
Other:

<sstream>

class templates:
 basic_istream
 basic_ostream
 basic_stringbuf
 basic_stringstream
classes:
 istream
 ostream
 stringbuf
 stringstream
 wstringstream
 wstringbuf
 wstringstream

istream

istream::istream
public member functions:
 istream::operator=
 istream::rdbuf
 istream::str
 istream::swap
non-member overloads:
 swap (istream)

Networking 4 Game De...
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public member function

std::istream::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 *str* 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

str

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 // istream::str
2 #include <string>      // std::string
3 #include <iostream>    // std::cout
4 #include <sstream>     // std::istream
5
6 int main () {
7     std::istream iss;
8     std::string strvalues = "32 240 2 1450";
9
10    iss.str (strvalues);
11
12    for (int n=0; n<4; n++)
13    {
14        int val;
15        iss >> val;
16        std::cout << val << '\n';
17    }
18    std::cout << "Finished writing the numbers in: ";
19    std::cout << iss.str() << '\n';
20    return 0;
21 }
```

```
32
240
2
1450
Finished writing the numbers in: 32 240 2 1450
```

Data races

Accesses (1) or modifies (2) the [istream](#) 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

[istream::istream](#) Construct object ([public member function](#))

[stringbuf::str](#) Get/set the string content ([public member function](#))