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function

**std::skipws**

&lt;ios&gt; &lt;iostream&gt;

```
ios_base& skipws (ios_base& str);
```

**Skip whitespaces**

Sets the skipws format flag for the *str* stream.

When the skipws format flag is set, as many whitespace characters as necessary are read and discarded from the stream until a non-whitespace character is found before. This applies to *every* formatted input operation performed with *operator>>* on the stream.

Tab spaces, carriage returns and blank spaces are all considered whitespaces (see *isspace*).

This flag can be unset with the *noskipws* manipulator, forcing extraction operations to consider leading whitespaces as part of the content to be extracted.

For standard streams, the skipws flag **is set** on initialization.

**Parameters***str*

Stream object whose *format flag* is affected.

Because this function is a manipulator, it is designed to be used alone with no arguments in conjunction with the *insertion* (<<) and *extraction* (>>) operations on streams (see example below).

**Return Value**

Argument *str*.

**Example**

```
1 // skipws flag example
2 #include <iostream>      // std::cout, std::skipws, std::noskipws
3 #include <sstream>       // std::istringstream
4
5 int main () {
6     char a, b, c;
7
8     std::istringstream iss (" 123");
9     iss >> std::skipws >> a >> b >> c;
10    std::cout << a << b << c << '\n';
11
12    iss.seekg(0);
13    iss >> std::noskipws >> a >> b >> c;
14    std::cout << a << b << c << '\n';
15    return 0;
16 }
```

Output:

```
123
1
```

Notice that in the first set of extractions, the leading spaces were ignored, while in the second they were extracted as valid characters.

**Data races**

Modifies *str*. Concurrent access to the same stream object may cause data races.

**Exception safety**

**Basic guarantee:** if an exception is thrown, *str* is in a valid state.

**See also**

<b>noskipws</b>	Do not skip whitespaces ( <a href="#">function</a> )
<b>ios_base::flags</b>	Get/set format flags ( <a href="#">public member function</a> )
<b>ios_base::setf</b>	Set specific format flags ( <a href="#">public member function</a> )
<b>ios_base::unsetf</b>	Clear specific format flags ( <a href="#">public member function</a> )

