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Reference <ios> noshowpoint

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Reference

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

<ios>

types:basic_iosfposiosios_baseio_errcstreamoffstreamposstreamsizewioswstreamposmanipulators:boolalphadecdefaultfloatfixedhexhexfloatinternalleftnoboolalphanoshowbasenoshowpointnoshowposnoskipwsnunitbufnouppercaseoctorightscientificshowbaseshowpointshowposskipwsunitbufuppercaseother functions:istream_category

PatchIT Updating Library

PatchIT offers fully automated updating libraries for coding

function

<ios> <iostream>

std::noshowpoint

`ios_base& noshowpoint (ios_base& str);`

Do not show decimal point

Clears the showpoint format flag for the *str* stream.

When the showpoint format flag is not set, the decimal point is only written when necessary for floating-point values inserted into the stream: when their decimal part is not zero.

This flag can be set with the [showpoint](#) manipulator. When the flag is set, the decimal point is always written for floating point values inserted into the stream, even for those whose decimal part is zero.

For standard streams, the showpoint flag is **not set** on initialization.

Parameters

str

Stream object where to apply.
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).

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 // modify showpoint flag
2 #include <iostream> // std::cout, std::showpoint, std::noshowpoint
3
4 int main () {
5     double a = 30;
6     double b = 10000.0;
7     double pi = 3.1416;
8     std::cout.precision (5);
9     std::cout << std::showpoint << a << '\t' << b << '\t' << pi << '\n';
10    std::cout << std::noshowpoint << a << '\t' << b << '\t' << pi << '\n';
11    return 0;
12 }
```

Possible output:

```
30.000 10000. 3.1416
30      10000  3.1416
```

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

showpoint	Show decimal point (function)
ios_base::flags	Get/set format flags (public member function)
ios_base::setf	Set specific format flags (public member function)
ios_base::unsetf	Clear specific format flags (public member function)

Networking 4 Game De...
64 Network DO's and DON'Ts for Game Developers

http://www.cplusplus.com/reference/ios/noshowpoint/

1/2

