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Networking 4 Game Devs

64 Network DO's and DON'Ts for Game Developers

function

std::noshowbase

<ios> <iostream>

```
ios_base& noshowbase (ios_base& str);
```

Do not show numerical base prefixes

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

When the showbase format flag is not set, numerical values are inserted into the stream without prefixing them with any numerical base prefix (i.e., 0x for hexadecimal values, 0 for octal values and no prefix for decimal-base values).

This flag can be set with the [showbase](#) manipulator, which forces the prefixing of numerical integer values with their respective numerical base prefix.

For standard streams, the showbase flag is **not 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 // modify showbase flag
2 #include <iostream>    // std::cout, std::showbase, std::noshowbase
3
4 int main () {
5     int n = 20;
6     std::cout << std::hex << std::showbase << n << '\n';
7     std::cout << std::hex << std::noshowbase << n << '\n';
8     return 0;
9 }
```

Output:

```
0x14
14
```

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

showbase	Show numerical base prefixes (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)

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