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PatchIT Updating Library

PatchIT offers fully automated updating libraries for coding

function

std::nouppercase

<ios> <iostream>

ios\_base& nouppercase (ios\_base& str);

**Do not generate upper case letters**  
Clears the uppercase format flag for the *str* stream.

When the uppercase format flag is not set, the letters automatically generated by the stream for certain representations (like some hexadecimal representations and numerical base prefixes) are not forced to be displayed using uppercase letters (generally using lowercase letters instead).

This flag can be set with the `uppercase` manipulator, forcing the use of uppercase for generated letters.

For standard streams, the uppercase 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 uppercase flag
2 #include <iostream>      // std::cout, std::showbase, std::hex
3                          // std::uppercase, std::nouppercase
4 int main () {
5     std::cout << std::showbase << std::hex;
6     std::cout << std::uppercase << 77 << '\n';
7     std::cout << std::nouppercase << 77 << '\n';
8     return 0;
9 }

```

Possible output:  

```

0X4D
0x4d

```

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

<a href="#">uppercase</a>	Generate upper-case letters ( <a href="#">function</a> )
<a href="#">ios_base::flags</a>	Get/set format flags ( <a href="#">public member function</a> )
<a href="#">ios_base::setf</a>	Set specific format flags ( <a href="#">public member function</a> )
<a href="#">ios_base::unsetf</a>	Clear specific format flags ( <a href="#">public member function</a> )

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