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function

std::setiosflags

<iomanip>

```
/*unspecified*/ setiosflags (ios_base::fmtflags mask);
```

Set format flags

Sets the format flags specified by parameter *mask*.

Behaves as if member `setf` were called with *mask* as argument on the stream on which it is inserted/extracted as a manipulator (it can be inserted/extracted on *input streams* or *output streams*).

See `ios_base::fmtflags` for more information on the particular flags that can be modified with this manipulator function.

This manipulator is declared in header `<iomanip>`.

Parameters

mask

Mask representing the flags to be set.
`fmtflags` is a bitmask type.

Return Value

Unspecified. This function should only be used as a stream manipulator (see example).

Example

```
1 // setiosflags example
2 #include <iostream>    // std::cout, std::hex, std::endl
3 #include <iomanip>     // std::setiosflags
4
5 int main () {
6     std::cout << std::hex;
7     std::cout << std::setiosflags (std::ios::showbase | std::ios::uppercase);
8     std::cout << 100 << std::endl;
9     return 0;
10 }
```

This code uses `setiosflags` to activate both the `showbase` and `uppercase` flags, with the same effect as if inserting the manipulators `showbase` and `uppercase`.

Output:

0X64

Data races

The stream object on which it is inserted/extracted is modified.
 Concurrent access to the same stream object may introduce data races.

Exception safety

Basic guarantee: if an exception is thrown, the stream is in a valid state.

See also

resetiosflags	Reset format flags (function)
ios_base::setf	Set specific format flags (public member function)
ios_base::flags	Get/set format flags (public member function)