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public member function

std::ios_base::flags

<ios> <iostream>

get (1) fmtflags flags() const;

set (2) fmtflags flags (fmtflags fmtfl);

Get/set format flags

The first form (1) returns the format flags currently selected in the stream.

The second form (2) sets new format flags for the stream, returning its former value.

The *format flags* of a stream affect the way data is interpreted in certain input functions and how these are written by certain output functions. See `ios_base::fmtflags` for the possible values of this function's argument and the interpretation of its return value.

The second form of this function sets the value for **all** the format flags of the stream, overwriting the existing values and clearing any flag not explicitly set in the argument. To access individual flags, see members `setf` and `unsetf`.

Parameters

fmtfl

Format flags to be used by the stream.

`ios_base::fmtflags` is a *bitmask* type.

Return Value

The format flags selected in the stream before the call.

`ios_base::fmtflags` is a *bitmask* type.

Example

```
1 // modify flags
2 #include <iostream>      // std::cout, std::ios
3
4 int main () {
5     std::cout.flags ( std::ios::right | std::ios::hex | std::ios::showbase );
6     std::cout.width (10);
7     std::cout << 100 << '\n';
8     return 0;
9 }
```

This simple example sets some format flags for `cout` that affect the insertion operation by printing the value in hexadecimal (0x64) padded right as in a field ten spaces long:

0x64

Data races

Accesses (1) or modifies (2) the stream object.

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



Exception safety

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

See also

ios_base::setf	Set specific format flags (public member function)
ios_base::unsetf	Clear specific format flags (public member function)
ios_base::fmtflags	Type for stream format flags (public member type)
setiosflags	Set format flags (function)

```
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ios_base::xalloc
member types:
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```

PatchIT Updating Librar, 
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updating libraries for coding
 

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